

**EVALUATION OF SAFETY, EFFICACY AND
EXPULSION OF POST PLACENTAL INSERTION OF
INTRAUTERINE CONTRACEPTIVE DEVICE**

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In partial fulfillment of the requirements for the degree of

M.S BRANCH II

OBSTETRICS AND GYNAECOLOGY



THANJAVUR MEDICAL COLLEGE

THE TAMILNADU DR. M.G.R. MEDICAL UNIVERSITY

CHENNAI, TAMILNADU

May 2018

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This is to certify that the dissertation entitled **“EVALUATION OF SAFETY, EFFICACY AND EXPULSION OF POST PLACENTAL INSERTION OF INTRAUTERINE CONTRACEPTIVE DEVICE”** is a bonafide record work done by **Dr. USHA RANI. N** under my direct supervision and guidance, submitted to the Tamil Nadu Dr. M.G.R. Medical University in partial fulfillment of University regulation for M.S Branch II – Obstetrics & Gynaecology.

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Exclusions in Immediate Postpartum Insertions of Lippes Loop D and Copper T IUDs and their Counterpart Delta Devices—An Epidemiological Analysis1984.

They have founded hat postpartm insertion to be a safe procedure. the magnitude of IUD expulsions in postpartum depend upon the insertor's skill & experience.

12. Comparative study between two techniques used in immediate postplacental insertion of TCu 380A in china : Chen Y yang X et al1999. This is a 36-month follow-up study which comprises 38412women who delivered vaginally and copper T-380A IUD was inserted within 10 minutes after delivery. A total of 189 IUDs were inserted by hand; 195 were inserted by ring forceps. Expulsion and other discontinuation rates were compared at 6, 12, 24, and 36months post-insertion. There are no uterine perforation nor infection. There were 67 cases of expulsion, which was the main reason for the discontinuation. The gross cumulative expulsion rates for the manual insertion group after 6, 12, 24, and 36 months were 8.61, 13.55, 15.78, and 16.90 per 100 women respectively. The gross cumulative expulsion rates for the ring forceps insertion group were 12.99, 17.23, 17.77, and 18.34 per 100 women respectively. The differences between the two groups were not statistically significant.

13. A women's Health study – kriplaniA, Buckshee K, Relan S, et al, showed the only pelvic infection that has been unequivocally related to IUCD use is actinomycosis and that to occurred in the women who have multiple sexual partners. The rate increases with duration of use of plastic devices, and it is much less for copper releasing IUCD's.13

14. O'hanley K, Huber Dh April 2007, New York. Insertion at immediate postplacental and postpartum periods and demographich data, because this has a low incidence of infection, few bleeding problems, and low

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LIST OF ABBREVIATIONS

IUD –INTRAUTERINE CONTRACEPTIVE DEVICE

IUCD - INTRAUTERINE CONTRACEPTIVE DEVICE

LAM – LACTATIONAL AMENORRHOEA METHOD

SRS –SAMPLE REGISTRATION SYSTEM

PPIUCD - POST PLACENTAL INSERTION OF INTRAUTERINE
CONTRACEPTIVE DEVICE

ICMR – INDIAN COUNCIL OF MEDICAL RESEARCH

JHPIEGO –JOHN HOPKINS PROGRAM FOR INTERNATIONAL
EDUCATION IN GYNAECOLOGY AND OBSTETRICS

STI – SEXUALLY TRANSMITTED INFECTIONS

NSAIDS –NON-STEROIDAL ANTI INFLAMMATORY DRUGS

MLCu – MULTI LOAD COPPER T

WHO –WORLD HEALTH ORGANISATION

RMH – RAJAH MIRASUDHAR HOSPITAL

AMTSL – ACTIVE MANAGEMENT OF THIRD STAGE OF LABOUR

SLE – SYSTEMIC LUPUS ERYTHEMATOSIS

APLA –ANTI POSPHOLIPID ANTIBODY

HIV – HUMAN IMMUNO DEFICIENCY VIRUS

PID –PELVIC INFLAMMATORY DISEASE

GDM – GESTATIONAL DIABETES MELLITUS/ OVERT DIABETES
MELLITUS

BA –BRONCHIAL ASTHMA

EPI – EPILEPSY COMPLICATING PREGNANCY

HRT – HEART DISEASE

HYPO –HYPOTHYROID

POLY –POLYHYDRAMNIOS

ABD –ASSISTED BREECH DELIVERY

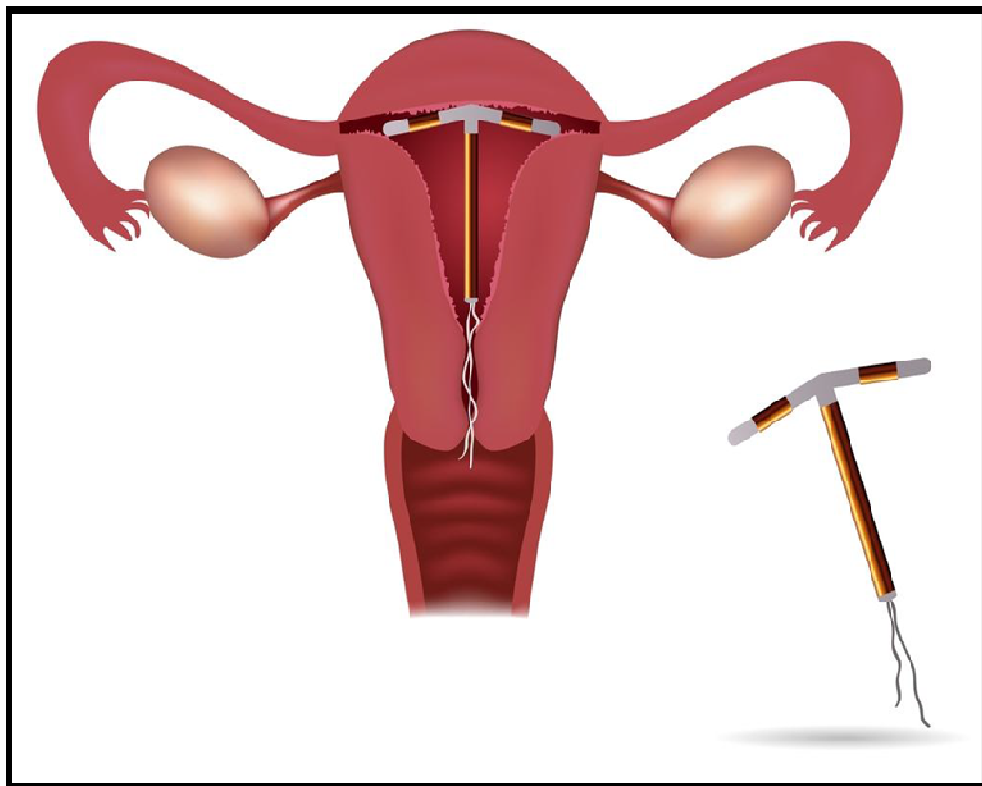
SSLC- TENTH STANDARD

HSC –TWELTH STANDARD

UG –UNDER GRADUATION

PG –POST GRADUATION

**EVALUATION OF SAFETY,EFFICACY AND EXPULSION OF
POST PLACENTAL INSERTION OF INTRAUTERINE
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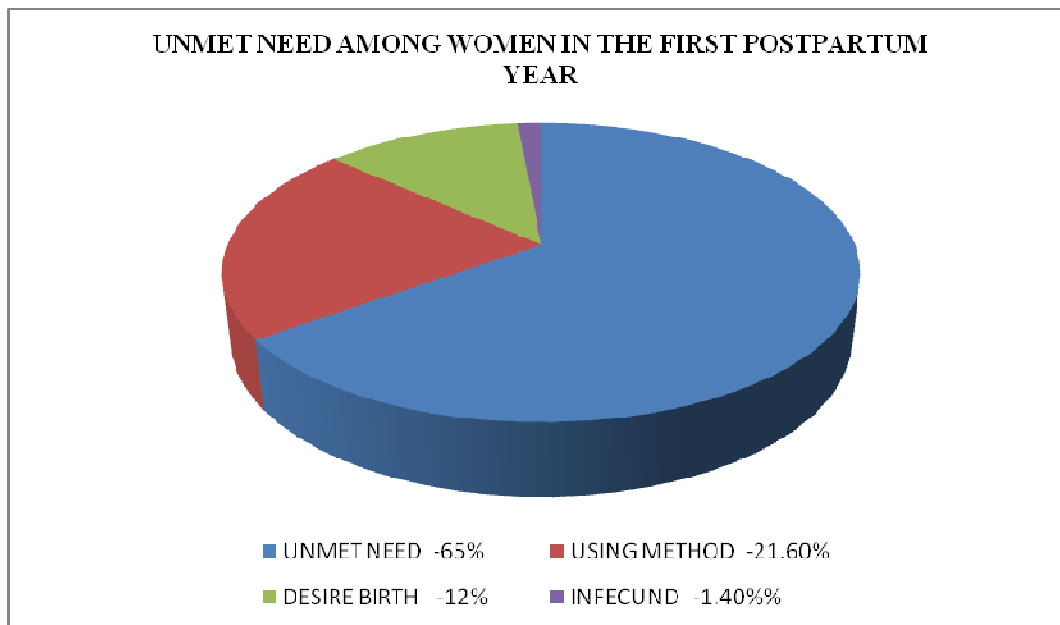


INTRODUCTION

India is world's 2nd largest populated country in the world with 121 million according to 2011 census. It contributes to 17.5% of world's population by adding around 25 million births every year. India was the first to introduce family planning services.(Annual Report 2015-16 – Family Planning¹)

IUD-1.6%, natural method (LAM)-5.4%, condom use-5.3%, a female sterilisation- 34.2% and male sterilisation 1.9% are the methods of contraception among the married couple in India.

Unmet need of Family Planning is 21.3% as per DLHS-III (2007-08)In India, 65% of women in the first year of post-partum period have an unmet need for family planning. Hence, contraception needs to be practiced in this critical period. During the first year postpartum most women resume sexual activity. Approximately 40% return to sexual activity within the first three months and by 10-12 months postpartum, 90% have resumed sexual activity. Couples will not necessarily see themselves at risk of pregnancy at this time and will not fully recognize the need for family planning.



It has been observed that the women in the first postpartum year have large unmet need of contraception and only 26% use some method of contraception. The use of intrauterine contraceptive device (IUCD) in the immediate postpartum period is an excellent option for meeting the need of these women regarding contraception.

The postpartum period following three months after delivery, weaning from breast feeding and resuming sexual activity among married couple is the risk period for unintended pregnancy. Poor spacing between pregnancies, the unmet need for post partum contraception may lead to intervention in an unwanted subsequent pregnancy.

Approximately 27% of women in India practice birth to birth interval of <24 months, 32% between 24-35 months, a total of 59.3% women practice birth to birth to interval of < 36 months (SRS 2013²)

There are many options available for postpartum contraception i.e. LAM method, pills, IUD, condoms, sterilization but the women in the post partum period wants an efficacious, reliable, safe, easy to use and reversible contraceptive¹ method which provide long term protection. All these criterias are fulfilled by IUCD

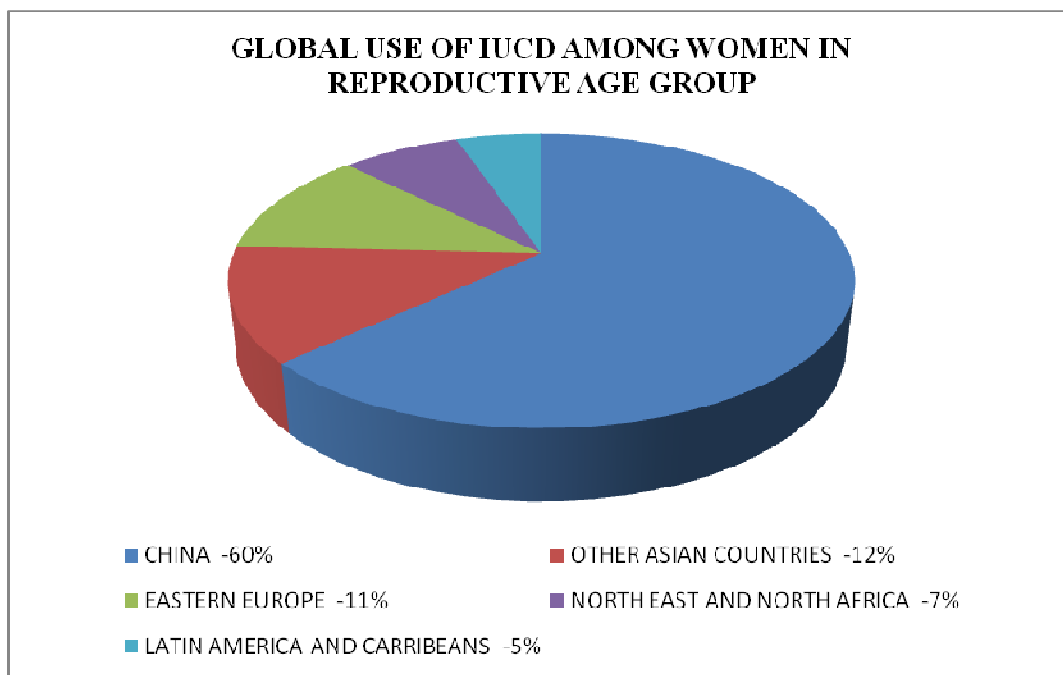
IUCD is most effective, safe, long acting and do not interfere with coitus and it can be inserted immediately or within 72 hours after delivery of placenta in a health care facility. It is convenient for those who are in outreach areas, where family planning facilities are not freely available and it may be utilized to overcome the unmet need of contraception, in a single hospital visit during institutional delivery.

It is appealing for several reasons. The women are not pregnant and are motivated for contraception and situation is convenient for women and providers. PPIUCD has distinct advantage. It is free from systemic side effects and does not affect breast feeding as seen with hormonal methods.

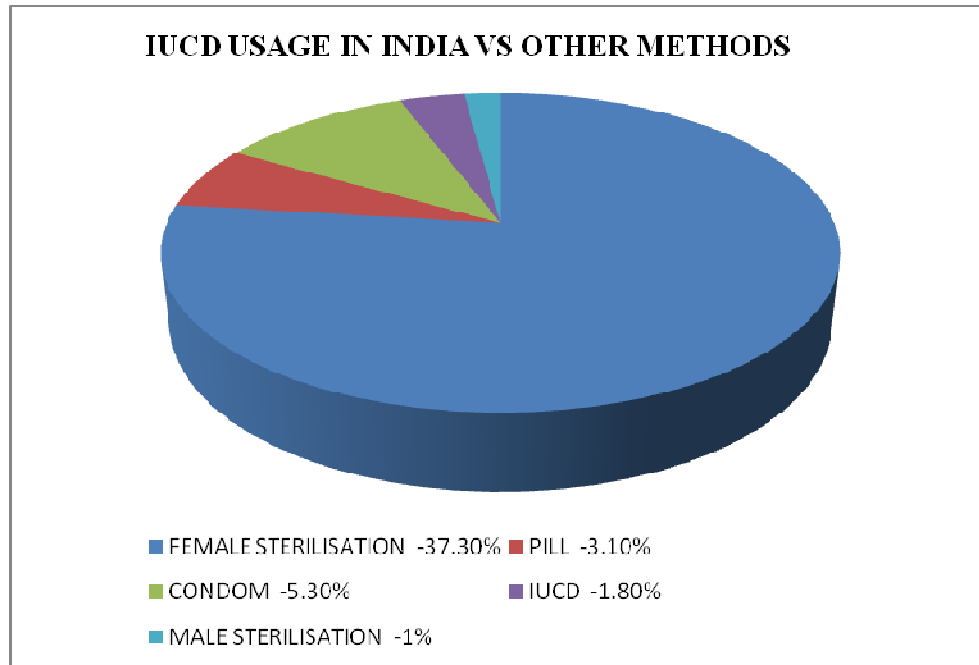
It is a reversible method. PPIUCD does not require regular user compliance. It is also not coital dependent and there is no pain on insertion when used post-placentally.

Global use of IUCD

Recent data shows that almost one in every five married couples are using an IUCD.



Indian scale of IUCD



Earlier in 1965 the Government of India, introduced Lippes Loop which was considered as an important spacing method. Later on, as per the results of clinical trials conducted by the Indian Council of Medical Research in 1972, Copper T 200 B was introduced in 1975.

In 1997, ICMR again conducted a comparative study between IUCD 200B and 380A as CuT 380A was introduced in 2002, which had replaced CuT 200B in that programme.

Now the government is offering IUCD services free of cost, under JHPIEGO (Johns Hopkins program for international education in

Gynaecology & Obstetrics), which was implemented in 2009, it still remains largely underutilized. Total 10,34,894 PPIUCDs have been inserted all across the country since the initiation of the PPIUCD programme. Approximately 5,90,217 PPIUCD insertions have taken place in 2014-15 as against around 3,24,487 in 2013-14. (Annual Report 2015-16 – Family Planning¹)

The total IUCDs (Interval & PPIUCD) inserted were 3.51 lakhs, comprising of 88% of interval IUCD and 12% PPIUCD. The highest interval IUCD insertions were in Uttar Pradesh (43,370) followed by Odisha (41,138) and West Bengal (38,293) whereas Madhya Pradesh had the highest PPIUCD insertions of 14,313. (Annual Report 2015-16 – Family Planning¹)

INTRA UTERINE CONTRACEPTIVE DEVICE

Probably everyone has heard the legend about inserting pebbles into the uteri of camels before taking them on a trek across a desert.

Richard Richter in 1909 reported insertions of a ring made of silkworm gut into the uterus

In the mid 1920s **Karl Pust**¹⁰ recommended a silkworm ring placed in the uterus with a stiff cervical extension of a tightly wound silk thread and a glass button to cover the cervix.

Ernest Graefenberg¹⁰ of Berlin first attached a silver wire to the ring and later wound the silver wire all around and re-placed the silkworm gut by a spirally coiled metal ring composed of an alloy of copper, nickel, and zinc (the so-called German silver). Pure silver rings had to be abandoned because silver was absorbed and led to gingival argyrosis of the gums, analogous to the lead line.

Later **Dr. Herbert Hall** reported the modification of the Graefenberg ring by replacing the alloy with stainless steel.

Dr. Halton¹⁰ used silkworm gut. She wound it around her finger, pressed the ring into a gelatine capsule and pushed the capsule into the uterine cavity, where the gelatine liquefied and the thread spread out

L. MARGULIES¹² tried to adopt the method but replaced the silkworm gut with thin polyethylene tubing into which he injected a radio-opaque solution. This method was disappointing not only because of bleeding and expulsion but mainly because of the pain caused by insertion of a 6 mm. capsule through the cervix

L. MARGULIES¹² then tried slipping a device through a tube which had a diameter of only 3-4 mm, this would not necessitate dilatation of the cervix. It was mixed with barium, hence it could be molded and stretched, and would return to its originally molded form.

Dr. J. Lippes¹² in 1960s reported the shell of plastic OTA rings and loops. The flexibility and shape-memory of plastic allowed a leap forward in terms of safety, but plastic alone provided poor birth control.

In 1969, a Chilean doctor, **Jaime Zipper¹²**, discovered the magic of copper. Zipper found that copper disables sperm. Researchers wrapped a plastic IUD with copper wire so that a few ions at a time could dissolve. Copper boosted the efficacy of IUDs above 99 percent.

The **Dalkon Shield¹²**, had little feet protruding out on the sides to keep it from being expelled. Great in concept, but the feet sometimes dug in and stuck. For removal, a super strong multifilament string was added. When Copper T IUCD 380 A came into being, it has become one of the best known and most widely used IUCDs in the world which is available in

many countries. It is a T shaped device made up of polyethylene and impregnated with barium sulfate to render it radio opaque for visibility on X-ray. It is 3.6 cm in length and 3.2 cm in width. The copper wire is wound around in each horizontal arm as well as in the vertical stem. Copper is released high in the fundus of the uterus at the rate of 50µg/day. A thin polyethylene string is attached to the bottom of the stem for easy removal.

In the 1970's, researchers tackled the cramping and bleeding problem. Instead of copper ions, the new design released a micro-dose of progestin. Hormonal IUDs decrease cramps and bleeding by on average 90 percent.

In the **Eurogine Gold T IUD**, which is made in Spain, there is a gold core, which further prevents the copper from fragmenting or corroding.

Goldring Medusa is a differently shaped German version of the Gold T.

Another form of AuCu IUD is called **Goldlily**, which consists of a layer of copper wires wrapped around an original layer of gold wires, and it provides electrochemical protection in addition to ionic protection

Silver IUDs also exist. **Silverlily** is similar to Goldlily. Nova-T 380 contains a strengthening silver core, but does not incorporate silver ions themselves to provide electrochemical protection.

Frameless¹⁰ IUD that holds several hollow cylindrical minuscule copper beads. It is held in place by a suture (knot) to the fundus of the uterus.

A framed copper IUD called the **IUB SCu300** coils during deployment to form a three dimensional spherical shape and is based on a nickel titanium shape memory alloy core.

COPPER T 380A

Developed by the Population Council of USA and Ortho and have been marketed since 1982. It is T shaped and made of polyethylene impregnated with barium sulphate for visibility of IUCD in X-ray. It is 3.6 cm in length and 3.2 cm in width. It has 314 mm² copper wire on the vertical stem and two 33 mm² copper sleeves on each of the two transverse arms. Approved life span of CuT380A is 10 years.

MECHANISM OF ACTION

Copper T 380A, acts primarily by preventing fertilization.

The released Copper decreases sperm motility¹⁰. Copper acts as a spermicide within the uterus, increasing levels of copper ions, prostaglandins, and white blood cells within the uterine and tubal fluids.

It alters the enzymatic and metabolic changes in the uterus and fallopian tube, thereby preventing sperm from reaching the fallopian tubes and fertilizing the ovum.

It also stimulates foreign body reaction in the endometrium that causes macrophage release and prevents implantation of the fertilized ovum.

Copper can also alter the endometrial lining, but studies show that while this alteration can prevent implantation of a fertilized egg ("blastocyst"), it cannot disrupt one that has already been implanted

The effectiveness is dependent on the annual failure (pregnancy) rate¹⁰. Copper T380 A has an effective life of upto 10 years. A woman's fertility returns immediately after an IUCD is removed.

ADVANTAGES

- Convenient for the woman as it saves time and no additional visits are needed, as well as for the inserter for the easy integration of services.
- Safe, because it is certain that she is not pregnant at the time of insertion
- Risk of uterine perforation is negligible because of the thick wall of the uterus.
- Decreased perception of initial side effects like bleeding and cramping.
- Doesn't affect the amount or quality of breast milk
- It is very effective and is immediate
- Provides a healthy birth spacing interval, there by reduces morbidity and mortality of mother and newborn. If the birth to pregnancy interval is < 6 months, there is increased risk of miscarriage, induced abortion, and maternal mortality. Birth to pregnancy interval of < 24 months are associated with higher infant and neonatal mortality.
- A single decision is enough to provide long-term prevention of pregnancy.
- There are no hormonal side effects with copper-bearing IUCD.

- Risk of ectopic pregnancy are minimal than in women not using any family planning method.
- Immediately return to fertility after removal. Pregnancy can occur during the first cycle following removal, and as quickly as in women who have not used IUCDs
- No interaction with any other medicines that woman might be taking. Increased sexual enjoyment because no need to worry about pregnancy

LIMITATIONS

- Increased risk of spontaneous expulsion
- Pelvic infection
- Menstrual changes
- Perforation of the uterus
- Does not protect against sexually transmitted infections (STIs), including HIV/AIDS
- IUCD insertion and removal is provider dependent

- ❖ Spontaneous expulsion rates for PPIUCD are dependent upon insertion technique and the skill of the provider. The rate of expulsion vary widely in the range of 10 – 14%.A well skilled inserter and the insertion technique reduces expulsion rates to 2 – 5%.Spontaneous expulsion can be reduced by ensuring that the IUCD is placed high in the uterine fundus, ensuring that the IUCD is not dislodged during removal of the instrument and placing the IUCD immediately following delivery of the placenta.Expulsion rates for PPIUCDs are highest in the first 3 months following insertion³.
- ❖ Pelvic infection (endometritis or salpingitis) if IUCD is placed when the woman has chorioamnionitis, postpartum endometritis or puerperal sepsis.
- ❖ Perforation of the uterus while placing a PPIUCD during caesarean section or during the first 48 hours postpartum has not been reported in the literature. While this is theoretically possible, the thickness of the uterine wall postpartum makes this extremely unlikely. The other limitations of the PPIUCD are the same as that for interval IUCD.
- ❖ Menstrual changes, which are common in the first 3 months but likely to lessen after 3months (it is expected that these would be less in lactating women):

- Longer and heavier menstrual periods
- Bleeding or spotting between periods
- More cramps or pain during periods
- Heavy menstrual bleeding or bleeding between periods, possibly contributing to anaemia.

MEDICAL ELIGIBILITY CRITERIA

It describes IUCD use for women under specific medical conditions. The reproductive rights of the individual must be considered. It is essential that the provider has to screen the women based on the MEC⁸ in order to provide the quality care in IUCD services. There are four categories.

CATEGORY 1: Can use the IUCD with no restrictions.

- less than 48 hours postpartum
- >4 wks postpartum
- First trimester abortion
- Age: greater than 20 years
- Parity 1 or more
- Irregular menstrual cycles without heavy menstrual bleeding
- Cigarette smoking

- Obesity
- History of hypertension or Diabetes
- Previous history of Thromboembolic disease
- Superficial venous disorders
- Hyperlipidemias
- Uncomplicated valvular heart disease
- Ischaemic heart disease
- Stroke
- SLE with Positive APLA
- Migraine and non-migraine headache
- Epilepsy
- Depression
- Benign ovarian tumors
- Cervical ectropion
- Cervical intraepithelial neoplasia
- Uterine fibroids without distorting the cavity
- Benign breast disease or breast cancer
- Women taking antibiotics or anticonvulsants
- Thyroid, liver or gallbladder disease
- Viral hepatitis, cirrhosis, liver tumours

- Anti-convulsant and anti-microbial therapy
- Malaria
- Non-pelvic tuberculosis
- History of a prior ectopic pregnancy
- Previous history of pelvic inflammatory disease with subsequent pregnancy
- Previous caesarean section and pelvic surgery

CATEGORY 2: IUCD used with caution. It means that advantages generally outweigh the risks, so additional care/follow-up will be needed

- From age of menarche to < 20 years,
- Nulliparity
- Heavy or prolonged vaginal bleeding
- Severe dysmenorrhoea and endometriosis
- Anatomical abnormalities that do not distort the uterine cavity
- Any active lower genital tract infection should be treated, and then inserted
- Have a past history of PID without a subsequent pregnancy.
- Clinically well HIV infected women
- Symptomatic AIDS women, on antiretroviral therapy

- Immediately following a second - trimester abortion either spontaneous or induced with no evidence of infection.
- Complicated valvular heart disease e.g., artificial shunts, rheumatic heart disease. prophylactic antibiotics are given to prevent¹ endocarditis.
- Iron deficiency anemic women, as copper-bearing IUCDs are associated with increased menstrual blood loss.
- Thalassemia and sickle cell anemia.
- Women with 1st and 2nd degree uterine prolapse.
- Rectovaginal fistula.
- SLE on immunosuppressant therapy.

CATEGORY 3: IUCD use is not recommended as risks generally outweigh the advantages.

- Heavy/prolonged menstruation
- After 48 hours to 4 weeks postpartum.
- Benign trophoblastic disease-decreasing β -hcg levels
- Ovarian cancer.
- Women with multiple sexual partners as they are at high risk for gonorrhoea or Chlamydia (purulent cervical discharge).

- Symptomatic AIDS not on ARV therapy.
- Women with 3rd degree uterine prolapse.
- Women with Vesicovaginal fistulas
- SLE with thrombocytopenia

CATEGORY 4: IUCD is contraindicated in

- Pregnant women.
- Puerperal sepsis or septic abortion.
- With malignant trophoblastic disease or with persistently elevated β -hcg levels.
- Cervical or endometrial / uterine cancer.
- Anatomical abnormalities or submucosal myomas that distort the uterine cavity.
- Pelvic tuberculosis.
- Current PID.
- Unexplained vaginal bleeding.

REVIEW OF LITERATURE

1. Cole et al, Expulsions in Immediate Postpartum Insertions of Lippes Loop D and Copper T IUDs and their Counterpart Delta Devices - An Epidemiological Analysis 1984. They have founded that postpartum insertion to be a safe procedure. the magnitude of IUD expulsions in postpartum depend upon the inserter's skill & experience.
2. Randomised comparative study of two techniques used in immediate post placental insertion of the Copper T-380A IUD in Shanghai, Rivera R et al, 1996-: IUD inserted by hand and IUD via ring forceps. Expulsions were the main reason for discontinuation. The six-month gross cumulative expulsion rates were 13.3 and 12.7 per 100 women in the hand-insertion group and ring forceps insertion group respectively. Discontinuation rates for medical removals (bleeding / pain) were 2.1 and 1.0 in these two groups, respectively. Neither of the differences was statistically significant ($p > 0.05$). No uterine perforation, infection or pregnancy occurred.¹⁵
3. In a longitudinal international study which was conducted by the WHO, where the average annual pregnancy rate was 0.4%, and the average cumulative pregnancy rate was 2.2% at the end of 12 years

of use of CuT 380A, which is very similar to that of tubal sterilisation (United Nations Development Programme et al. 1997).

4. Walsh T, Grimes D, Friezies R, Randomised Control Trial of prophylactic antibiotics before insertion of IUCD-1998. No role in lowering the peri-insertion infections.
5. Rosenberg MJ, Waugh MS, A prospective evaluation of discontinuation between oral contraception and IUCD 1998. The continuation rate at the end of 1 year for Copper T 380A- 78%, OCP- 50%.
6. Comparative study between two techniques used in immediate postplacental insertion of TCu 380A in china : Chen Y yang X et al 1999 . This is a 36-month follow-up study which comprises 38412 women who delivered vaginally and copper T-380A IUD was inserted within 10 minutes after delivery. A total of 189 IUDs were inserted by hand; 195 were inserted by ring forceps. Expulsion and other discontinuation rates were compared at 6, 12, 24, and 36months post-insertion. There are no uterine perforation nor infection. There were 67 cases of expulsion, which was the main reason for the discontinuation. The gross cumulative expulsion rates for the manual insertion group after 6, 12, 24, and 36 months were 8.61, 13.55, 15.78, and 16.90 per 100 women respectively. The gross

cumulative expulsion rates for the ring forceps insertion group were 12.99, 17.23, 17.77, and 18.34 per 100 women respectively. The differences between the two groups were not statistically significant.

7. Ory HW, for Women's Health study showed there is 80% - 90% reduction in the risk of ectopic pregnancy due to higher dose of copper T380A
8. The Oxford study Vessey M, Doll R, Peto R et al, found that women gave birth just as promptly after IUCD removal as they did after discontinuing use of the diaphragm.
9. Otero- Flores JB, Guerrero- Carreno FJ, Vazquez-Estrada LA 2003. A large Comparative Randomised Control Study of three different IUCD in nulliparous Mexican women, The high effectiveness with a failure rate at 1 year and overall expulsion rates were 1.8%- T Null and multiload, compared with Copper T380A- 3.3%.
10. A Cochrane Database- Celen S , Sucak A et al 2004, Clinical outcomes in early post placental insertion of IUCD. It appears to be safe, effective and there were no bleeding, infection nor perforation. The main disadvantage was increased expulsion, and it was 12.3% at 1 year with the copper T.10
11. A Randomised control trial Trusselet el 2004, Showed insertion of IUCD after immediate postpartum period and before

4 weeks postpartum was associated with more perforations. Therefore it should be inserted within 10 minutes of placental delivery or after 4 weeks. The failure (pregnancy) rate of 0.8% at the end of 1 year of use.

12. French R, Van Vliet H, Cowan F et al 2004- A Cochrane Database of pregnancy rates. The pregnancy rates at end of 1 year, Copper T380 A- 0.8-0.6 and LNG IUS- 0.1.per 100 woman years.

13. Hubacher D, Grimes DA 2005. In a recent cohort study of 2,037,883 woman years of follow up in china was associated with a decreased risk of endometrial cancer with an adjusted odds ratio of 0.6 (95% CI 0.3-0.9). Although type of IUCD were not specified, it was a combination of Copper T380A, and stainless steel rings were most frequently used device.

14. A women's Health study – kriplani A, Buckshee K, Relan S, et al, showed the only pelvic infection that has been unequivocally related to IUCD use is actinomycosis and that to occurred in the women who have multiple sexual partners. The rate increases with duration of use of plastic devices, and it is much less for copper releasing IUCD's.¹³

15. A Cochrane data base – Grimes DA, Lopez LM et al 2006, The discontinuation for pain and bleeding is higher with copper IUCD.

The worsened periods often occur with the first few menses and they are treated with NSAID'S

16. Comparison of efficacy and complications of IUD insertion in immediate post placental /early postpartum period with interval period: 1 year follow-up. Taskin L haberal A et al 2006. This study aimed to compare immediate post placental and early postpartum insertions with interval IUD insertions with respect to efficacy and complications. The study group consisted of 268 women in whom the following TCu 380A IUD insertions were performed: 84 (less than 10 min), 46 (10 min to 72 h) and 138 (more than 6 weeks).

The women were followed up 8 weeks, 6 months and 12 months after insertion. Although no statistically significant difference was found between the groups for uterine perforation and infection ($p > .001$), there was a statistically significant difference between the groups in the incidence of expulsion rates.

The overall cumulative pregnancy rate and frequency of pregnancy were found to be higher ($p > .05$ for both), which are both insignificant for the EP group (2 of 43 women), as compared with the INT (4 of 130 women) and IPP groups (2 of 84 women), and pregnancy rates at 1 year for all groups was 3.1% (8 of

25716 women). Immediate & early postpartum insertions are effective and convenient procedure but the expulsion rates are higher than in the interval insertion group.

17. In studies comparing immediate postpartum IUD insertions with interval insertions, the removal rate due to bleeding is lower for the immediate postpartum IUD insertions, e.g., 13.7% vs. 23.6% in a study in India. 90-95% of women are able to detect their own expulsions.

18. Randomised comparative study between immediate postpartum insertion of multiload Cut375 and Cut380A Lara ricalde et al (2006-14) The expulsion rates were 10.4 for the MLCu 375 and 7.7 for the TCu380A . The removal rates for bleeding and pain were 4.9 and 4.8, the removal rates for non medical reasons were 3.7 and 4.9 respectively. There was one case of genital infection in the MLCu375 group. There were no pregnancies, nor uterine perforation. The one year continuation rates were 77.1 and 82.6 respectively. There were no statistical significant differences in the comparative rates.

19. The IUD expulsion rate was higher in non-breast feeding women than in breast-feeding women (22.4% vs. 11.9%; $p = 0.05$).

20. In a Cross Sectional Study, Main reported complications were pain abdomen (17.14%), bleeding (14.28%). Expulsion rate was 6.8%. Most common reason (40%) for removal of IUCD was inclination to other methods

21. O'hanley K, Huber Dh April 2007, New York. Insertion at immediate postplacental and postpartum periods are demonstrably safe, because they have a low incidence of infection, few bleeding problems, and low perforation rates. In their study expulsion rates of about 7-15 per 100 users at six months in a well experienced and a skilled inserter. Most investigators have found that high fundal IUD placement will reduce the expulsion rate. Unplanned pregnancy rates range from 2.0-2.8 per 100 users at 24 months with modern copper IUDs. It appears that manual or ring forceps insertion result in very low perforation rates, e.g., 1/1150 immediate postpartum IUD insertions in 1 study.

22. Awareness about post-placental IUCD was significantly low as compared to interval IUCD (5.79% versus 73.55%).

23. A randomized study by Nidhi Gupta et al²⁶ in 2010-2011, for two techniques of immediate post-partum intrauterine contraceptive device insertion statistically no significant difference in the mild

discomfort during insertion by either technique There was no significant difference in the complication rate for the two groups

24. In a prospective study acceptance of PPIUCD was higher in Cesarean deliveries than in vaginal deliveries. Acceptance was also higher in unplanned pregnancies

25. In a study by Neha Jain (2012-2013), immediate postpartum IUCD insertion is an effective, safe and even better means of contraception when compared with that of delayed insertion

26. In a prospective study by Monica Soniet al²⁴ in 2016, There was higher rate of acceptance, no expulsion and high continuation rate in post-cesarean cases as compared to vaginally delivered cases

AIM OF STUDY

To determine the safety, efficacy and expulsion of postplacental insertion of contraceptive device (PPIUCD)

To determine the rates of complications, uterine perforation, expulsion, pelvic infection, lost strings and displacement following PPIUCD insertion among the acceptors by 6 months.

MATERIALS AND METHODS

TYPE OF STUDY:

Descriptive cohort study

DURATION OF STUDY

August 2016 to July 2017

PLACE OF STUDY:

Department of Obstetrics and Gynaecology, Rajah Mirasudar
Hospital, Thanjavur Medical College, Thanjavur

MATERIALS & METHODS:

The study population included all primigravida who were counselled both during antenatal period and during early labour and given consent and delivered at Department of Obstetrics and Gynaecology, RMH, Thanjavur during six months period from August 2016 to January 2017 and CuT 380A inserted within 10 minutes of placental delivery in both vaginal and caesarean section and were given post insertion counselling and were followed up at 6weeks,12 weeks and at 24 weeks ie till July 2017.

INCLUSION CRITERIA

All primigravida patients admitted for delivery to our hospital were counselled for PPIUCD. Consent was obtained from those, who opted for insertion. Among those who fulfilled the following criteria were considered for inclusion:

- 18–40 years old.
- GA 37–42weeks.
- Desire to have CuT after counseling before insertion.
- No infections.
- Hb > 8 g/dl.
- AMTSL universally provided after the delivery of the baby

EXCLUSION CRITERIA

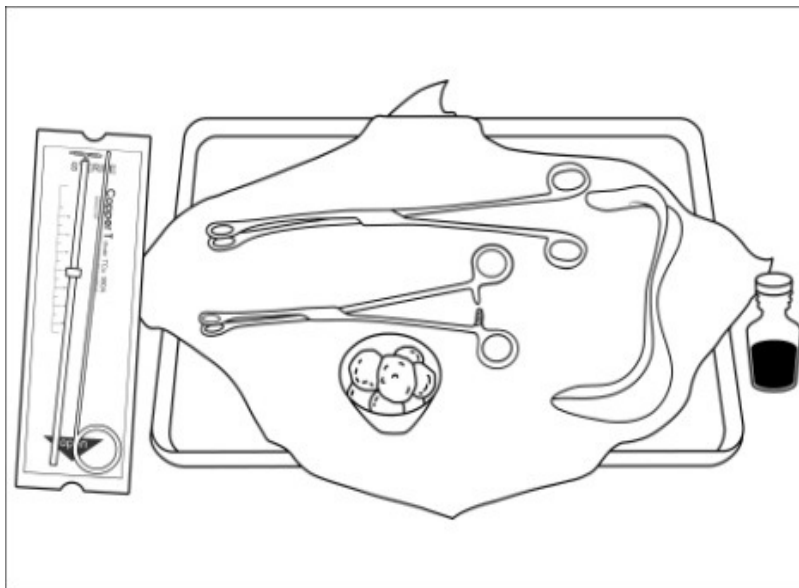
- Fever during labor and delivery.
- Having active STD or other lower genital tract infection or high risk for STD.
- Known to have ruptured membranes for more than 18 hours prior to delivery.
- Known uterine abnormalities e.g., Bicornuate / septate Uterus, uterine myomas.
- Manual removal of the placenta.

- Unresolved postpartum hemorrhage or postpartum uterine atony requiring use of additional oxytocic agents in addition to AMTSL.

MATERIALS NEEDED

No extra instruments are needed, except for Kellys placental forceps¹, sponge holding forceps, and Sims vaginal retractor.

- ☐ Stainless Steel tray with cover
- ☐ Kellys placental forceps
- ☐ Sponge holding forceps
- ☐ Sim's vaginal retractor
- ☐ Disposable surgical gloves
- ☐ Antiseptic solution
- ☐ Preloaded Copper T380A



TIME OF INSERTION.

1. Immediate post placental

- ☐ Insertion within 10 minutes of delivery of the placenta in vaginal delivery
- ☐ Intracesarean insertion

2. Within 48 hours of delivery

MEDICAL ELIGIBILITY CRITERIA FOR THE IMMEDIATE PPIUCD INSERTION³

Category 1:

- Immediate postplacental, immediate postpartum < 48 hours or during cesarean section
- six weeks postpartum

Category 2: no conditions

Category 3:

- Between 48 hours and six weeks postpartum
- Chorioamnionitis
- Prolonged rupture of membranes (ROM) > 18 hours

Category 4:

- Puerperal sepsis
- Unresolved postpartum haemorrhage

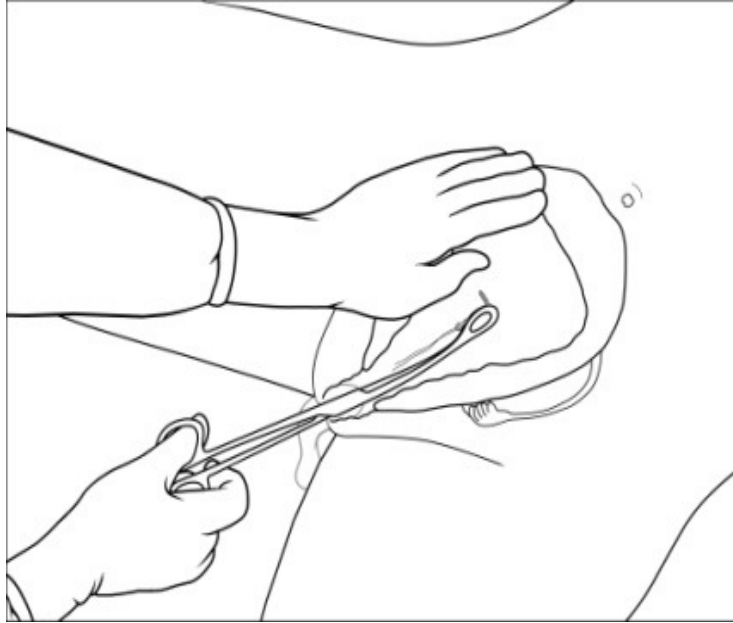
TECHNIQUE OF IUCD INSERTION

- Labour natural - Within 10 minutes of the delivery of the placenta.

Under strict aseptic precautions, Sims vaginal retractor is taken to retract the vaginal walls and the anterior lip of the cervix is held by the sponge holding forceps, now the preloaded IUCD is inserted into the uterus with the help of Kelly's placental forceps³.

- Intracutaneous –after the placental delivery and before closure of the uterine incision¹ and evaluation of post partum haemorrhage, the IUCD taken in the hand is inserted high up in the fundus of the uterus, the threads are not included in the sutured uterine wound, and note that thread should not be directed towards the os. Now the uterine wound is closed in layers.

- 48 hours post partum- Under strict aseptic precautions loaded IUCD is inserted with help of forceps. Strict adherence of “no-touch” technique is followed to decrease the risk of infections. Loaded IUCD should not touch the nonsterile surfaces. In all the procedure the threads not trimmed



NO TOUCH TECHNIQUE OF PPIUCD INSERTION

PROPER DISPOSAL

Dispose the waste materials like cotton balls and disposable gloves in a leak proof container. The instruments are properly decontaminated and sterilized or high level disinfection³ done.

POST INSERTION COUNSELING

Post-insertion counseling is done and follow up card is issued with the details like date and type of insertion and type of IUCD inserted and follow up date and month and when the IUCD need to be removed.

Examination done at the time of discharge and advice given about the Danger signs like heavy vaginal bleeding, severe lower abdominal discomfort, fever and not feeling well or suspected expulsion—feeling IUCD in the vagina or has expelled. They are advised to come for follow up at 6 weeks, 12 weeks and 24 weeks from delivery.

FOLLOW UP

During the follow up a detailed history was taken as per the proforma enclosed and thorough general and systemic examination and speculum examination was done for the presence or absence of Copper -T inside the uterus by visualization of the copper T thread. If the threads were missing, then immediate trans abdominal ultrasonogram or x-ray abdomen and pelvis was done to identify whether copper-T was expelled, or perforated out of the followed up persons. Symptomatic treatment is given for their complaints if not responding or the clients insist on removal, IUCD is removed.

Removal of IUCD³ is done

- partial expulsion
- Puerperal sepsis
- Perforation of the uterine wall
- Persistent uterine cramping of unknown origin
- Patient's request

RESULTS & ANALYSIS

TABLE 1

AGE DISTRIBUTION

	Frequency	Percentage
<20 years	62	3.40%
20-25 years	1254	68.60%
26-30 years	449	24.60%
31-35 years	55	3.00%
36-40 years	8	0.40%

The total number of patients in the study is 1828. The mean age is **23.99** years with standard deviation of 3.29 years. The median age is 21, minimum 18 and maximum 40 years.

AGE DISTRIBUTION

Majority ie 1254 (68.6%) patients belong to the age group of **20 - 25** years

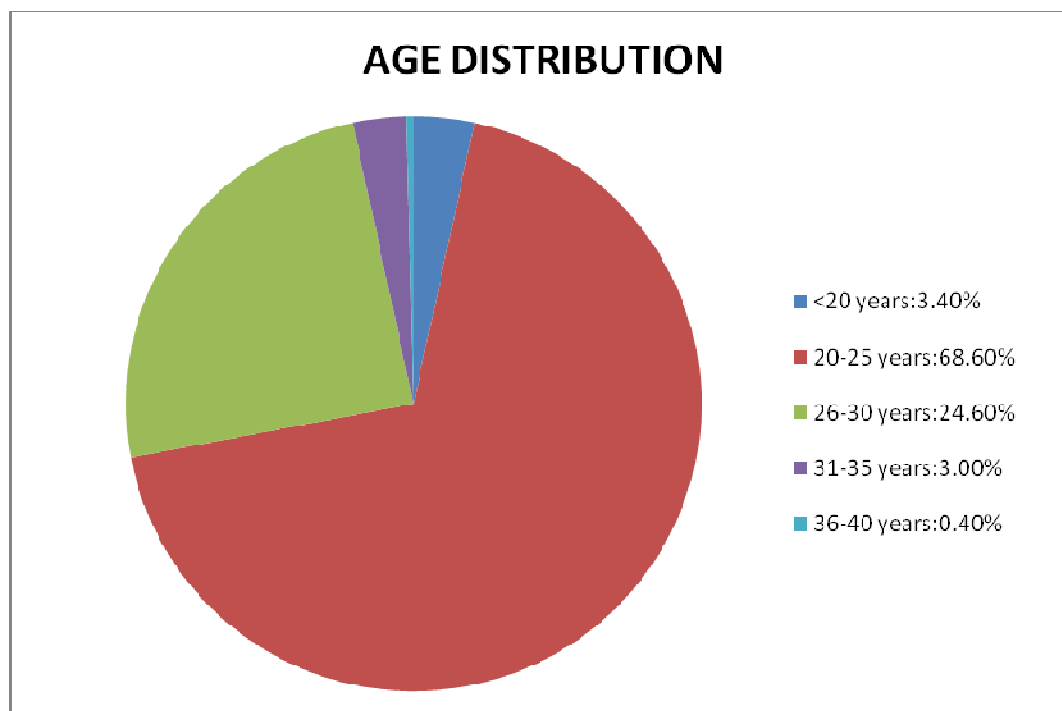


TABLE 2

DISTRIBUTION OF RELIGION

RELIGION	FREQUENCY	PERCENTAGE
HINDU	1757	96.10%
CHRISTIAN	47	2.60%
MUSLIM	24	1.30%

1757(96.1%) clients were **Hindus** and 47(2.6%) clients were Christian 24(1.3%) clients were Muslims

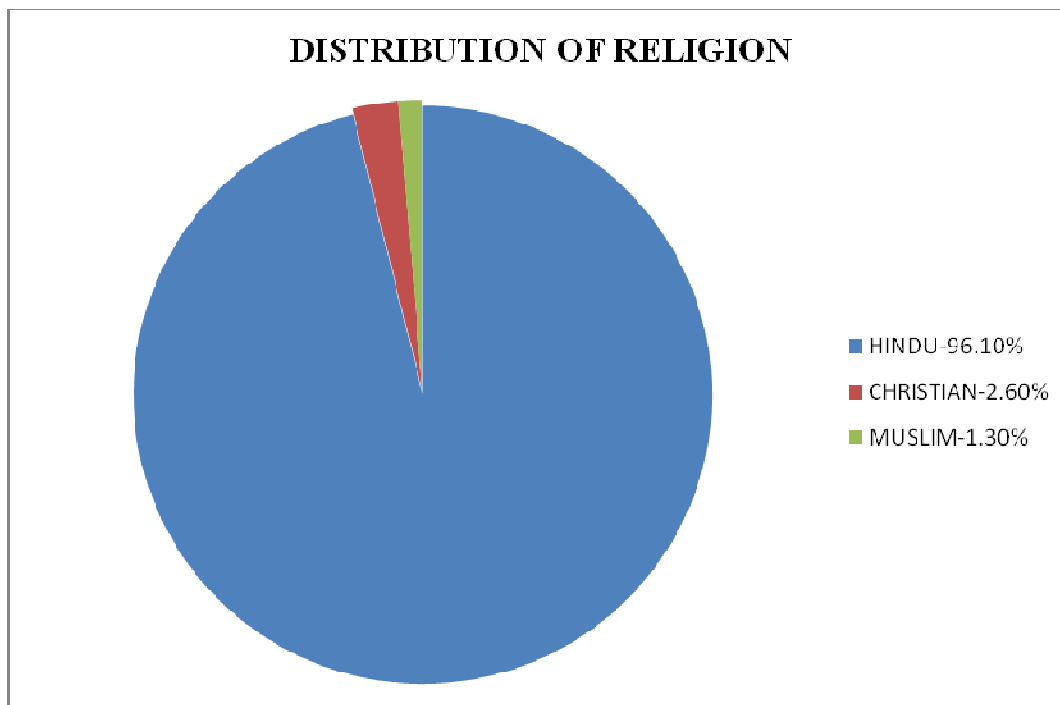
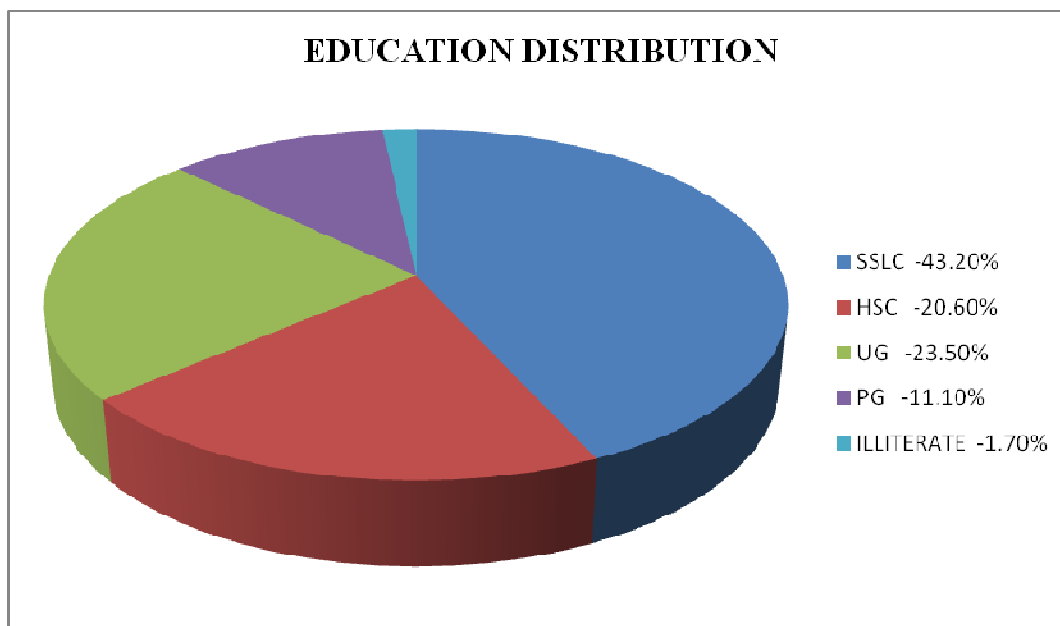


TABLE 3**EDUCATION DISTRIBUTION**

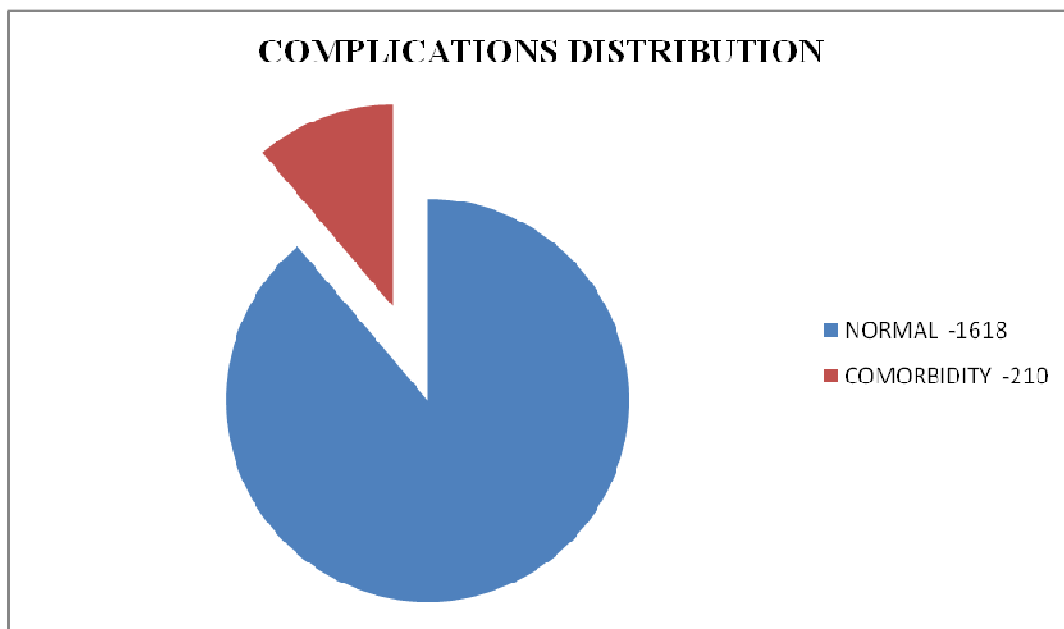
S.No	Educational qualification	Frequency (n)	Percentage %
1	Illiterate	31	1.7
2	SSLC (High school)	790	43.2
3	HSC (Higher Secondary)	376	20.6
4	UG (Under graduates)	429	23.5
5	PG (Post graduates)	202	11.1

43.2% studied upto **tenth standard**, 20.6% studied upto twelfth standard, 23.5% were undergraduates and 11.1% completed post graduation and 1.7% were illiterate



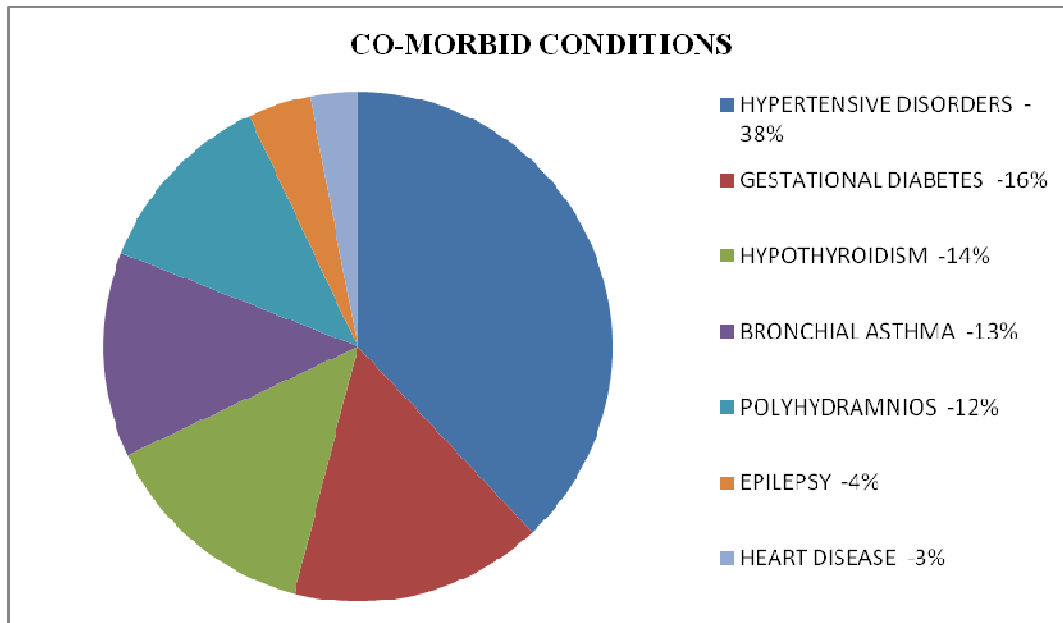
COMPLICATIONS DISTRIBUTION

MEDICAL DISORDER



Out of 1828 patients, **210 (11.5%)** patients had co-morbid conditions.

DISTRIBUTION OF CO-MORBID CONDITIONS



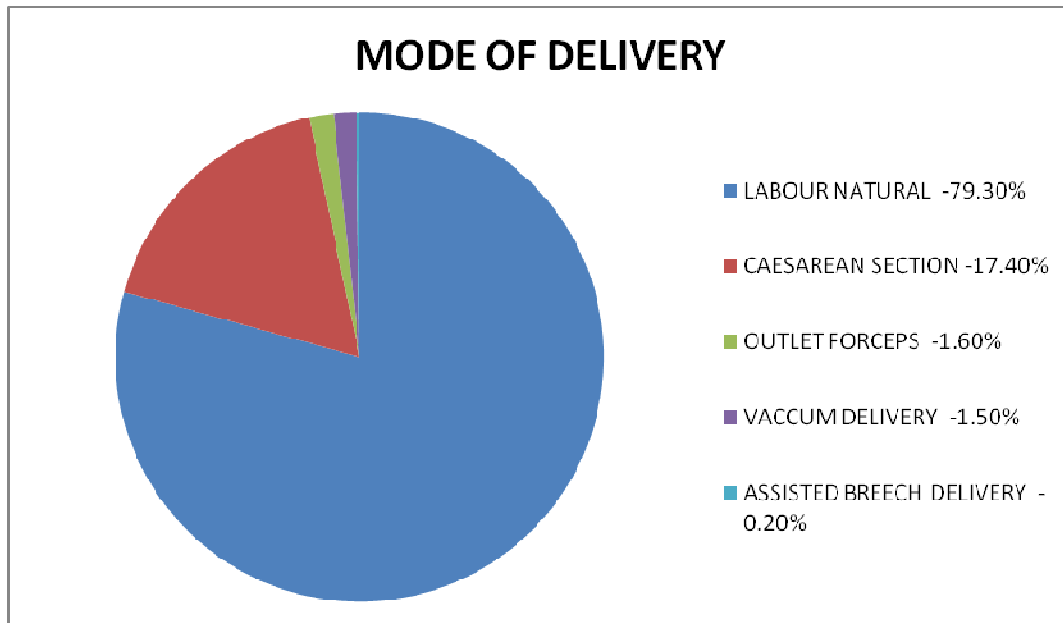
Out of 210 patients, 38% had hypertensive disorders, 16% had gestational diabetes, 14% had hypothyroidism, 13% had bronchial asthma, 12% had polyhydramnios, 4% were epilepsy complicating patients and 3% had heart disease

TABLE 4**MODE OF DELIVERY DISTRIBUTION**

S.No	Mode of delivery	Frequency (n)	Percentage %
1	Labour naturalis with episiotomy	1450	79.3
2	LSCS	318	17.4
3	Outlet forceps delivery	30	1.6
4	Vaccum delivery	27	1.5
5	Assisted Breech delivery	3	0.2

Out of 1828 patients, 1450 patients (79.3%) delivered by labour natural with episiotomy, 318 patients (17.4%) delivered by caesarean section, 30 patients (1.6%) delivered by outlet forceps, 27patients (1.5%) delivered by vaccum delivery and 3 patients (0.2%) delivered by assisted breech delivery

MODE OF DELIVERY DISTRIBUTION



ACCEPTANCE RATE

Total number of primiparas delivered in RMH : 2630

Total number of primiparas accepted PPIUCD : 1828

Acceptance rate : **69.50%**

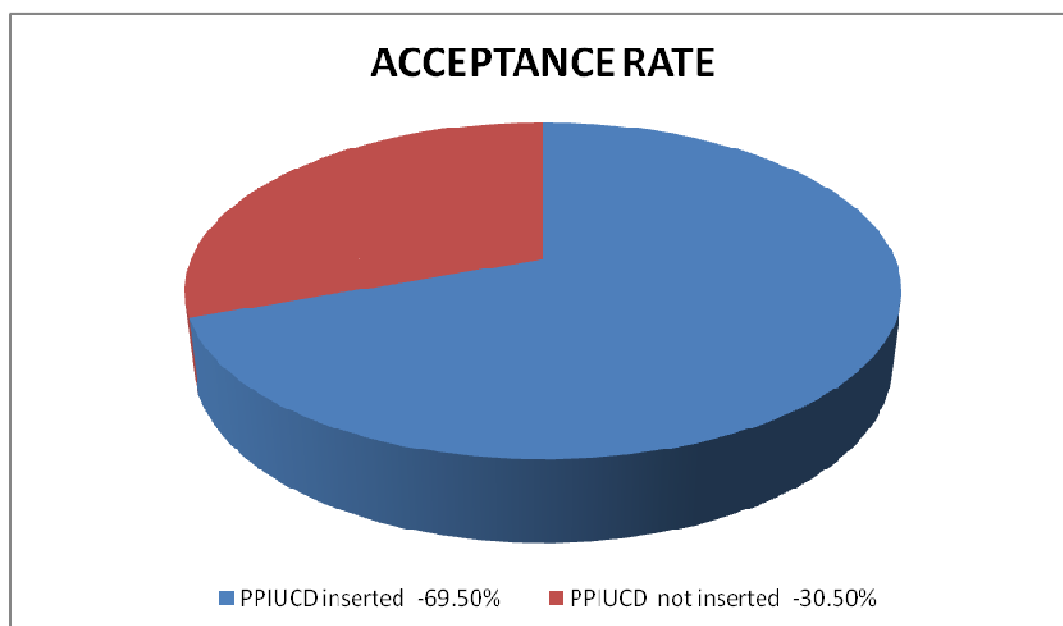


TABLE 5

FOLLOW UP DISTRIBUTION IN NUMBERS

	First follow up	Second follow up	Third follow up
Followed up	922	780	703
Lost follow up	906	947	958
Excluded from study		101	167

Out of 1828 woman, only 922 returned for first follow up at 6weeks and 780 returned for second follow up at 12 weeks and 703 returned for third follow up at 24weeks.

During the second follow up 101 clients were excluded from study, as 52 clients had IUCD removed and 49 clients had IUCD expelled.

During the third follow up 167 clients were excluded from the study as 47 clients had IUCD removed and 19 clients had IUCD expelled

TABLE 6**FOLLOW UP DISTRIBUTION IN PERCENTAGE**

	First follow up		Second follow up		Third follow up	
	n	%	n	%	n	%
Followed up	922	50.4	780	42.7	703	38.4
Lost follow up	906	49.5	947	51.8	958	52.4
Excluded from study			101	5.5	167	9.13

Out of 1828 woman, only 50.4% (922) returned for first follow up at 6weeks and 42.7% (780) returned for second follow up at 12 weeks and 38.4% (703) returned for third follow up at 24weeks.

TABLE 7**THREAD VISIBILITY DISTRIBUTION IN NUMBERS**

	First follow up	Second follow up	Third follow up
Felt	825	710	636
Not felt	97	70	67

97 of clients had thread problems during the first follow up 70 of clients had thread problems during the second follow up 67 of clients had thread problems during the third follow up

TABLE 8**THREAD VISIBILITY DISTRIBUTION IN PERCENTAGE**

	First follow up		Second follow up		Third follow up	
	n	%	n	%	n	%
Felt	825	45.1	710	39	636	35
Not felt	97	5.3	70	3.8	67	3.6

5.3% (97) of clients had thread problems during the first follow up 3.8% (70) of clients had thread problems during the second follow up 3.6% (67) of clients had thread problems during the third follow up

TABLE 9

**DISTRIBUTION AMONG THE INVISIBLE THREADS IN
PERCENTAGE**

	First follow up		Second follow up		Third follow up	
	n	%	n	%	n	%
Expelled	49	2.7	19	1	6	0.3
Removed	6	0.3	5	0.3	0	0
Normal position	42	2.3	46	2.5	61	3.3
Total	97	5.3	70	3.8	67	3.6

Out of the 97 patients with thread problems 49 had IUCD expelled, 6 clients had IUCD removed due to malposition of IUCD and normal position confirmed in 42 clients during the first follow up.

Out of the 70 patients with thread problems 19 had IUCD expelled, 5 clients had IUCD removed due to malposition of IUCD and normal position confirmed in 46 clients during the second follow up.

Out of the 67 patients with thread problems 6 had IUCD expelled and normal position confirmed in 61 clients during the third follow up.

TABLE 10**OVERALL DISTRIBUTION AMONG THE INVISIBLE THREADS
IN PERCENTAGE**

	First follow up	Second follow up	Third follow up	n	%
Expelled	49	19	6	74	32
Removed	6	5	0	11	4.7
Normal position	42	46	61	149	63.3

Out of the 234 patients with thread problems 74 (32%) had IUCD expelled, 11(4.7%) clients had IUCD removed due to malposition of IUCD and normal position confirmed in 149 (63.3%) clients during the follow up.

TABLE 11**DISTRIBUTION OF COMPLICATIONS IN NUMBERS**

	First follow up	Second follow up	Third follow up
Complaints	n	n	n
Pain	118	98	60
Bleeding	73	98	100
Pain and bleeding	18	0	9
Fever	3	0	0
Foul smelling discharge	0	0	0
Inability to feel thread	97	70	67
Perforation	0	0	0
Pregnancy	0	0	0
No complaints	591	530	510

- 118 patients had lower abdominal pain during the first follow up.
- 98 patients had lower abdominal pain during the second follow up.
- 60 patients had lower abdominal pain during the third follow up.
- 73 patients had menstrual problems during the first follow up.
- 98 patients had menstrual problems during the follow up.
- 100 patients had menstrual problems during the follow up.
- 18 patients had both lower abdominal pain and menstrual problems during the first follow up.

- 9 patients had both lower abdominal pain and menstrual problems during the third follow up.
- 3 patients had fever during the first follow up.
- 97 clients had thread problems during the first follow up.
- 70 clients had thread problems during the second follow up.
- 67 clients had thread problems during the third follow up.
- No patient had complications like pregnancy or perforation or foul smelling discharge during the follow up period.

TABLE 12**DISTRIBUTION OF COMPLICATIONS IN PERCENTAGE**

	First follow up	Second follow up	Third follow up	n	%
Pain	118	98	60	276	15
Bleeding	73	98	100	271	14.8
Pain and bleeding	18	0	9	27	1.5
Fever	3	0	0	3	0.2
Foul smelling discharge	0	0	0	0	0
Inability to feel thread	97	70	67	234	12.8
Perforation	0	0	0	0	0
Pregnancy	0	0	0	0	0

- 15% of patients had lower abdominal pain during the follow up.
- 14.8% of patients had menstrual problems during the follow up.
- 1.5% of patients had both lower abdominal pain and menstrual problems during the follow up.
- 0.2% had fever during the follow up.
- 12.8% of clients had thread problems during the follow up.
- No patient had complications like pregnancy or perforation or foul smelling discharge during the follow up period.

TABLE 13**DISTRIBUTION OF INVESTIGATIONS DONE**

	First follow up	Second follow up	Third follow up	n	%
USG	125	167	72	364	20
X –ray	153	36	42	231	13
UPT	9	3	18	30	1.6
CUL	6	51	0	57	3.1

125,167 and 72 clients had ultrasonogram pelvis done during the first, second and third follow up respectively which corresponds to 20%.

153,36 and 42 clients had X-ray pelvis done during the first, second and third follow up respectively which corresponds to 13%.

9,3 and 18clients had urine pregnancy test done during the first, second and third follow up respectively which corresponds to 1.6%.

6 and 51 clients had either urine culture or high vaginal swab done during the first and second follow up respectively which corresponds to 3.1%.

TABLE 14**DISTRIBUTION OF SYMPTOMATIC TREATMENT**

	First follow up		Second follow up		Third follow up	
	n	%	n	%	n	%
Treated	197	10.8	190	10.4	184	10.1
Not treated	725	39.7	590	32.3	519	28.4

- 10.8% of patients had symptomatic treatment during the first follow up.
- 10.4% of patients had symptomatic treatment during the second follow up.
- 10.1% of patients had symptomatic treatment during the third follow up.

TABLE 15**DISTRIBUTION OF REASON FOR REMOVAL**

Reason for removal	First follow up	Second follow up	Third follow up	Total	%
Pain	18	18	3	39	2.2
Bleeding	25	24	6	55	3
Pain and bleeding	0	0	0	0	0
Fever	3	0	0	3	0.2
Foul smelling discharge	0	0	0	0	0
Malposition	6	5	0	11	0.6
Perforation	0	0	0	0	0
Pregnancy	0	0	0	0	0
Total	52	47	9	108	6

18,18 and 3 clients had IUCD removed for lower abdominal pain during the first, second and third follow up respectively.

39 clients had IUCD removed for lower abdominal pain during the follow up which corresponds to 2.2%.

25,24 and 6 clients had IUCD removed for menstrual problems during the first, second and third follow up respectively.

55 clients had IUCD removed for menstrual problems during the follow up which corresponds to 3%.

3clients had IUCD removed for fever during the first follow up,which corresponds to 0.2%.

6 and 5 clients had IUCD removed for malposition during the first and secondfollow up respectively.

11 clients had IUCD removed for malposition during the follow up which corresponds to 0.6%.

52,47 and 9 clients had IUCD removed during the first ,second and third follow up respectively which corresponds to 6%(108).

TABLE 16**COMBINED DISTRIBUTION OF COMPLICATIONS AND
REMOVAL**

Complaints	Complaints (n)	%	Reason for removal(n)	%
Pain	276	15	39	2.2
Bleeding	271	14.8	55	3
Pain and bleeding	27	1.5	0	0
Fever	3	0.2	3	0.2
Foul smelling discharge	0	0	0	0
Inability to feel thread	234	12.8	11	0.6
Perforation	0	0	0	0
Pregnancy	0	0	0	0

15% of clients had lower abdominal pain of which 2.2% had IUCD removed.

14.8% of clients had menstrual problems of which 3% had IUCD removed.

1.5% of clients had both lower abdominal pain and menstrual problems. No one had removal for the same reason.

0.2% of clients had fever of which all 0.2% had IUCD removed.

12.8% of clients had thread problems of which 0.6% had IUCD removed.

Totally 6% of clients had IUCD removed during the follow up.

TABLE 17**DISTRIBUTION OF EXPULSION OF PPIUCD**

Expulsion	First follow up	Second follow up	Third follow up	n	%
By history	31	19	6	56	3
By investigations	49	19	6	74	4
Total	49	19	6	74	4

49 clients had IUCD expelled during the first follow up of which 31 clients gave history of expulsion.

19 clients had IUCD expelled during the second follow up of which all 19 clients gave history of expulsion.

6 clients had IUCD expelled during the third follow up of which all 6 clients gave history of expulsion.

This shows that IUCD expulsion goes unnoticed only during the initial 6 weeks.

TABLE 18**DISTRIBUTION OF TIME OF EXPULSION OF PPIUCD**

Time of expulsion	Frequency (n)	Percentage %
< 6 weeks	49	67
6 to 12 weeks	19	25
12 to 24 weeks	6	8

Out of 74 clients who expelled IUCD, 49(67%) expelled within first 6 weeks. 19(25%) expelled from 6 to 12 weeks and 6(8%) expelled from 12 to 24 weeks.

TABLE 19

WILLINGNESS TO CONTINUE PPIUCD

	n	%
Willing to continue	688	38%
Not willing to continue	182	10%

38% of clients were willing to continue with IUCD at end of the follow up.

6% of clients who had complaints not resolved with symptomatic treatment were not willing to continue and IUCD was removed.

4% of clients in whom IUCD expelled on its own were also not willing to continue.

TABLE 20**LEVEL OF SATISFACTION**

S.No	Level of satisfaction	Frequency (n)	Percentage %
1	7 out of 10	123	6.7
2	8 out of 10	167	9.1
3	9 out of 10	398	21.7
4	Not answered	182	10

- 21.7% of clients gave a score of 9 out of 10.
- 9.1% of clients gave a score of 8 out of 10.
- 6.7% of clients gave a score of 7 out of 10.
- 10% of clients who were exit from the study due to expulsion or removal did not answer the level of satisfaction.
- Overall(37.5%) all those clients on IUCD were very well satisfied with the device inspite of minor complaints.

DISCUSSION

In our study, total patients included in the study is 1828. In the study done by Sudha T. R et al²¹(2011-2013),total patients included in the study is 1832. In the study done by Anjum Afshan et al²⁰(2013),total patients included in the study is 1238.In the study done by P. Malathi et al³⁰(2010-2015), total patients included in the study is 2850.

TABLE 21

COMPARISON OF STUDY POPULATION

	Study population
Our study	1828
P. Malathi et al ³⁰ (2010-2015)	2850
Sudha T. R et al ²¹ (2011-2013),	1832
AnjumAfshan et al ²⁰ (2013)	1238
Runjun Doley et al ³² (2013-2015)	1217
Mishra Sujnanendra et al ²⁷ (2012-2013)	564
Sangeetha jairaj et al ²⁸ (2015)	250
Sahaja kittur et al ²² (2010)	210
Jisha Bai et al ³¹ (2015)	100

TABLE 22**COMPARISON OF MEAN AGE**

	Mean age
Our study	24 yrs
Sahaja kittur et al ²² (2010)	20-25(45%)
Runjun Doley et al ³² (2013-2015)	21-25 yrs(43.8%)
Sangeetha jairaj et al ²⁸ (2015)	23.7 yrs
Jisha Bai et al ³¹ (2015)	20-30 yrs(80%)

The mean age of woman in our study was 24 years. In the study done by Somesh Kumar(2011-2012), Mean (SD) age of women accepting PPIUCD was 24 years.

TABLE 23**COMPARISON OF FOLLOW UP**

	Follow up at 6 weeks	Follow up at 6 months
Our study	50.4%	38.4%
AnjumAfshan et al ²⁰ (2013)	51%	14%
AnjaliVivekKanhare et al ²³ (2012-2013)	72%	
Sudha TR et al ²¹ (2011-2013)	94%	89%

In our study 50.4% returned for first follow up at 6weeks and 42.7% returned for second follow up at 12 weeks and 38.4% returned for third follow up at 24weeks. In the study done by Anjum Afshan et al²⁰(2013) The follow up rate at 6 weeks was 51% and 14% at 6 months. In the study done by Anjali Vivek Kanhere et al²³(2012-2013) 72%) reported for follow up at 6 Weeks.

TABLE 24**COMPARISON OF THREAD PROBLEMS**

	Thread problems
Our study	12.8%
Jisha Bai C. P et al ³¹ (2015)	25.3%
Mishra Sujnanendra et al ²⁷ (2012-2013)	8.6%
SUDHA TR et al ²¹ (2011-2013)	13.5%
Runjun Doley et al ³² (2013-2015)	15.12%

In our study, for 12.8% clients, threads were not visible. In the study done by Jisha Bai C. P et al³¹, IUCD thread of the device was not visible in 25.3%. In the study done by Mishra Sujnanendra et al²⁷(2012-2013), 8.6% of patients had string problems

TABLE 25**COMPARISON OF DELIVERY DISTRIBUTION**

	Vaginal route	CS
Our study	83%	17%
AnjumAfshan et al ²⁰ (2013),	56%	44%
Aruna Nigam et al ²⁹ (2013)	67%	33%
Runjun Doley et al ³² (2013-2015)	23%	77%
Jisha Bai et al ³¹ (2015	68%	32%

In our study 83% of patients delivered by labour natural with episiotomy, 17% delivered by caesarean section had PPIUCD. In the study done by Anjum Afshan et al²⁰(2013), 56% of insertions were performed after vaginal delivery and 44% insertions were done at caesarean sections. In the study done by Aruna Nigam et al²⁹(2013) 67% had insertion following vaginal delivery and 33% during cesarean section

TABLE 26**COMPARISON OF ACCEPTANCE RATE**

	Acceptance rate
Our study	69.50%
Sangeetha jairaj et al ²⁸ (2015)	19.70%
Runjun Doley et al ³² (2013-2015)	43.86%
SUDHA TR et al ²¹ (2011-2013)	7%
Anjali VivekKanhare et al ²³ (2012-2013)	36%

In our study acceptance rate is 69.5%

TABLE 27**COMPARISON OF COMPLICATIONS**

	OUR STUDY	Jisha Bai et al ³¹ (2015)	Runjun Doley et al ³² (2013-2015)	Sahaja Kittur et al ²² (2010)	Anjali VivekKanhare et al ²³ (2012-2013)
PAIN	15%	2%	2.13%	43%	8%
BLEEDING	14.8%	3%	12.35%	6.2%	6%
THREAD PROBLEMS	12.8%	25.3%	15.12%	24.7%	3%
PID	0%	0	0.75%	0	0
PERFORATION	0	0	0	0	0
PREGNANCY	0	0	0	0	1.3%

In our study 15%developed lower abdominal pain of which, 2.2% had removal for the same reason. In the study done by Sangeetha Jairaj et al²⁸, main reported complications was pain abdomen in 17.14%

In our study, 14.8%developed excessive bleeding per vaginum of which, 3% had removal for the same reason. In the study done by Sangeetha Jairaj et al²⁸, 14.28% developed excessive bleeding per vaginum.

In our study, no patient developed foul smelling discharge or perforation or pregnancy during the follow up period. In the study done by Sudha T. R et al²¹(2011-2013),Infection and perforation were 00%,

pregnancy reported were 0%.In the study done by Sahaja Kittur et al²³(2010), There was no case of perforation and no other major complications In the study done by Anjali Vivek Kanhere et al²³(2012-2013),one patient reported with intrauterine pregnancy at 6months with IUCD in place.

TABLE 28**COMPARISON OF EXPULSION RATE**

	Expulsion rate
Our study	4%
AnjumAfshan et al ²⁰ (2013)	6%
Mishra Sujnanendra et al ²⁷ (2012-2013)	6.9%
Jisha Bai et al ³¹ (2015)	3%
Runjun Doley et al ³² (2013-2015)	1.6%

In our study Out of 74 patients who had expulsion of IUCD, 67% expelled at < 6 weeks, 25% expelled at 6 to 12 weeks, 8 % expelled at 12 to 24 weeks. In the study done by Sudha T. R et al²¹(2011-2013) Expulsion rate was 0.32 %. In the study done by Anjum Afshan et al²⁰(2013), expulsion rate is 6% at 6 months. In the study done by Mishra Sujnanendra et al²⁷(2012-2013) expulsion rate is 6.9%

TABLE 29**COMPARISON OF REMOVAL RATE**

	Removal rate
Our study	6%
Sudha T. R et al ²¹ (2011-2013)	0.76%
Mishra Sujnanendra et al ²⁷ (2012-2013)	7.6%
Runjun Doley et al ³² (2013-2015)	7%
Jisha Bai et al ³¹ (2015)	6.2%

In our study 6% had IUCD removed. In the study done by Sudha T. R et al²¹(2011-2013), removal rate was 0.76% .In the study done by Anjum Afshan et al²⁰(2013),removal rate was 10% at 6 months. In the study done by Mishra Sujnanendra et al²⁷(2012-2013), Removal rate 7.6%

TABLE 30**COMPARISON OF CONTINUATION RATE**

	Continuation rate
Our study	38.1%
Sahaja Kittur et al ²² (2010)	84.7%
Sudha TR wt al ²¹ (2011-2013)	98.9%
Runjun Doley et al ³² (2013-2015)	90.84%
Jisha Bai et al ³¹ (2015)	91%

In our study Continuation rate at the end of 24 weeks 38.1%.In the study done by Sudha T. R et al²¹(2011-2013) Continuation rate is 98.90%.Inthe study done by Anjum Afshan et al²⁰(2013), Continuation rate is 84% at 6 months. In the study done by Mishra Sujnanendra et al²⁷(2012-2013) Continuation rate is 62.4%

TABLE 31**COMPARISON OF WILLINGNESS TO CONTINUE**

	Willing to continue	Not willing to continue
Our study	38%	10%
Sahaja Kittur et al ²² (2010)	64%	6.51%
Sudha TR et al ²¹ (2011-2013)	98.9%	0.76%

In our study 38% clients were willing to continue IUCD and 10% clients were not willing to continue IUCD

TABLE 32**COMPARISON OF LEVEL OF SATISFACTION**

	Well satisfied	Unsatisfied
Our study	37.5%	10%
Jisha Bai et al ³¹ (2015)	89%	11%

In our study 21.4% of clients were well satisfied with IUCD and given score of 90% satisfaction. In the study done by Jisha Bai³¹ 89% were well satisfied with IUCD and 11% were unsatisfied with IUCD

SUMMARY

This study highlights the safety and efficacy of postpartum insertion of intra uterine device copper T 380A among the parturients by following them for 6 months. Totally 2630 primipara were delivered of which 1828 women were included in the study and IUCDS were inserted based on the medical eligibility criteria after getting written informed consent. Insertion of PPIUCD was done after excluding women who came with draining per vaginum for >18 hours, maternal fever, uterine anomalies, fibroid uterus, post partum haemorrhage - atonic or traumatic and systemic examination was done as given in the proforma. Acceptance rate is 69.50%.

The mean age of women in the study was 24 years with standard deviation of 3.3 years. The median age is 21, minimum 18 and maximum 40 years. The mean education is tenth standard. Majority of patients in the study belong to the Hindu Religion

Out of 1828 patients, 210 (11.5%) patients had co-morbid conditions, of which 38% had hypertensive disorders, 16% had gestational diabetes, 14% had hypothyroidism, 13% had bronchial asthma, 12% had polyhydramnios, 4% were epilepsy complicating patients and 3% had heart disease.

Out of 1828 patients, 1450 patients (79.3%) delivered by labour natural with episiotomy, 318 patients (17.4%) delivered by caesarean section, 30 patients (1.6%) delivered by outlet forceps, 27patients (1.5%) delivered by vaccum delivery and 3 patients (0.2%) delivered by assisted breech delivery.

They are given education regarding complications at discharge and counseled for follow up at 6weeks, 12weeks and 24 weeks and issued a follow up card.

Out of 1828 woman, only 922 (50.4%) returned for first follow up at 6weeks and 780 (42.7%) returned for second follow up at 12 weeks and 703 (38.4%) returned for third follow up at 24weeks.

During the follow up a detailed history was taken as per the proforma enclosed and thorough general and systemic examination and speculum examination was done for the presence or absence of CopperT inside the uterus by visualisation of the copper T thread. If the threads were missing, then immediate transabdominal ultrasonogram or x-ray abdomen and pelvis was done to identify whether copper-T was expelled, or perforated out of the followed up persons, we were able to see the threads for 724 (40%) women. For 234 (12.8%) clients, threads were not visible of

which 4.7% were removed due to malposition and 32% had spontaneous expulsion and normal position of IUCD confirmed in 63.3%

Out of 1828 patients, 276(15%) developed lower abdominal pain of which, 39 (2.2%) had removal for the same reason. 271(14.8%) developed excessive bleeding per vaginum of which, 55 (3%) had removal for the same reason. 27 (1.5%) developed both lower abdominal pain and excessive bleeding per vaginum and no one had removal for the same reason. 3 (0.2%) developed fever of which, 3 (0.2 %) had removal for the same reason. 234 (12.8%) were unable to feel the thread of which, 11(0.6%) had removal for the same reason. No patient developed foul smelling discharge or perforation or pregnancy during the follow up period.

Out of 74 patients who had expulsion of IUCD, 67% expelled at < 6 weeks, 25% expelled at 6 to 12 weeks, 8 % expelled at 12 to 24 weeks. Continuation rate at the end of 24 weeks is 38.1%. 38% clients were willing to continue IUCD and 10% clients were not willing to continue IUCD. 21.4% of clients were well satisfied with IUCD and given score of 90% satisfaction.

CONCLUSION

As there are no untoward complications like pregnancy or perforations or pelvic inflammatory disease with minimal expulsion rate of 4% and removal rate of 6% and continuation rate of 38.1%, PPIUCD is the most safe and highly efficacious mode of contraception in period after the delivery of the baby and population control and provides a healthy birth spacing, thereby decreasing the unmet need for family planning.

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KEY TO MASTER CHART

A-AVAILABLE

NA-NOT AVAILABLE

SSLC- TENTH STANDARD

HSC –TWELTH STANDARD

UG –UNDER GRADUATION

PG –POST GRADUATION

H –HINDU

M – MUSLIM

C – CHRISTIAN

B –BOOKED

UB – UNBOOKED

N-NORMAL FLOW OF MENSTRUATION

n – NO CO-MORBID CONDITIONS

GHT –HYPERTENSIVE DISORDERS IN PREGNANCY

GDM – GESTATIONAL DIABETES MELLITUS/ OVERT DIABETES MELLITUS

BA –BRONCHIAL ASTHMA

EPI – EPILEPSY COMPLICATING PREGNANCY

HRT – HEART DISEASE

HYPO –HYPOTHYROID

POLY –POLYHYDRAMNIOS

LN/EPI –LABOUR NATURAL WITH EPISIOTOMY

OUT – OUTLET FORCEPS DELIVERY

VAC –VACCUM DELIVERY

ABD –ASSISTED BREECH DELIVERY

LSCS – CAESAREAN SECTION

n - NIL

Y –YES

N –NO

N –NO COMPLAINTS

A-AMENORRHOEA

P-PAIN

B-BLEEDING

F –FEVER

L –LOST FOLLOW UP

X –X RAY

U – ULTRASONOGRAM

CUL –CULTURE AND SENSITIVITY

UPT – URINE PREGNANCY TEST

ND –NOT DONE

IS –COPPER-T IN SITU

PO –MALPOSITION OF IUCD

IUD –INTRAUTERINE CONTRACEPTIVE DEVICE

IUCD - INTRAUTERINE CONTRACEPTIVE DEVICE

LAM – LACTATIONAL AMENORRHOEA METHOD

SRS –SAMPLe REGISTRATION SYSTEM

PPIUCD - POST PLACENTAL INSERTION OF INTRAUTERINE
CONTRACEPTIVE DEVICE

ICMR – INDIAN COUNCIL OF MEDICAL RESEARCH

JHPIEGO –JOHN HOPKINS PROGRAM FOR INTERNATIONAL
EDUCATION IN GYNAECOLOGY AND OBSTETRICS

STI – SEXUALLY TRANSMITTED INFECTIONS

NSAIDS –NON-STEROIDAL ANTI INFLAMMATORYV DRUGS

MLCu – MULTI LOAD COPPER T

WHO –WORLD HEALTH ORGANISATION

RMH – RAJAH MIRASUDHAR HOSPITAL

AMTSL – ACTIVE MANAGEMENT OF THIRD STAGE OF LABOUR

SLE – SYSTEMIC LUPUS ERYTHEMATOSIS

APLA –ANTI POSPHOLIPID ANTIBODY

HIV – HUMAN IMMUNO DEFICIENCY VIRUS

PID –PELVIC INFLAMMATORY DISEASE

GDM – GESTATIONAL DIABETES MELLITUS/ OVERT DIABETES
MELLITUS

BA –BRONCHIAL ASTHMA

EPI – EPILEPSY COMPLICATING PREGNANCY

HRT – HEART DISEASE

HYPO –HYPOTHYROID

POLY –POLYHYDRAMNIOS

ABD –ASSISTED BREECH DELIVERY

SSLC- TENTH STANDARD

HSC –TWELTH STANDARD

UG –UNDER GRADUATION

PG –POST GRADUATION

PROFORMA

SERIAL NO.

Name :

Address :

Age :

Education :

Religion :

Phone number :

Date of Admission :

IP Number :

Obstetric score :

Gestational age :

Willingness for PPIUCD insertion:

Present history :

Menstrual history : age of menarche, regular/irregular Cycles

Marital history :

Obstetric history :

Previous history of contraceptive use :

Past history :

Personal history :

Counselling : antepartum / intrapartum

General examination :

- Afebrile
- Anaemic/not
- Pedal edema
- Vitals-Temp,
Pulse rate,
RR
Blood Pressure
- CVS :
- RS :

Obstetric Examination

Per vaginal Examination

Investigations:

Hb	-
PPTCT	-
Urine albumin	-
Urine Sugar	-

Ultrasonogram:

DELIVERY :

Date of Delivery :

Mode of Delivery :

Indication :

INTRA-PARTUM EVENTS:

Fever :

PROM > 18 hrs :

PPH :

PPIUCD:

If not, reason :

Inserted by :

Any complications :

AT DISCHARGE

Complaints :

Examination :

Follow up advice :

Follow up card :

FOLLOW UP:

S.No	DATE	REASON
First follow up		
Second follow up		
Third follow up		

DURING FOLLOW UP:

	First follow up	Second follow up	Third follow up
Lower abdominal pain			
Fever			
Foul smelling discharge			
Amenorrhoea			
Resumption of sexual activity			
Regained periods			
Dysmenorrhoea			
No. of pads/day			

EXAMINATION:

	First follow up	Second follow up	Third follow up
Fever			
Anaemia			
Pulse rate			
String visualized			
Uterine size			
Uterine tenderness			
Foul smelling discharge			
Trimming done			

INVESTIGATIONS:

	First follow up	Second follow up	Third follow up
CBC			
X-ray			
USG			
UPT			
Culture			

TREATMENT GIVEN:

Symptomatic treatment:

Removal of IUCD:

WILLINGNESS TO CONTINUE IUCD

Willing:

Not willing:

LEVEL OF SATISFACTION:

1	2	3	4	5	6	7	8	9	10
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கருத்தடை வளையம் (CU-T) பொருத்துவதற்கான விண்ணப்பம்

பெயர் மாத / வருட எண்

Cell No.

கணவர் பெயர் கதவு எண்

முகவரி

மாவட்டம் அஞ்சல் குறியீட்டு எண்

அய்யா / அம்மா,

நான் கருத்தடை வளையத்தை தற்காலிக கருத்தடை முறையாக பொருத்திக் கொள்ள விரும்புகிறேன். என் வயது என் கணவர், வயது ஆகும். நாங்கள் திருமணமானவர்கள். எங்களுக்கு ஆண் பெண் குழந்தைகள் உள்ளனர். கடைசி குழந்தைக்கு வயது ஆகிறது.

மற்றவர்களின் நிர்பந்தமோ, தூண்டுதலோ, வற்புறுத்தலோ இன்றி இந்த முறையினை நானே மனமுயன்று ஏற்றுக் கொள்கிறேன்.

கணவரின் கல்வி மனைவியின் கல்வி

மதம் (✓) தா.வ. / ப.சு. / பிற வகுப்பினர். கணவரின் தொழில்

கடைசி மாத விடாய் நாள்

ஊக்குவிப்பாளர் பொருத்துபவர்

பொருத்திய தேதி

அங்க அடையாளங்கள்

1.

2.

கருத்தடை வளையம் பொருத்திக்
கொள்பவர் கையொப்பம்.

திருமதி க/பெ

என்ற நபருக்கு நாள் அன்று தகுந்த முறையில் கருத்தடை வளையம் பொருத்தப்பட்டது

என்று சான்றளிக்கிறேன். தோற்றத்தில் இவருடைய வயது என மதிப்பிடலாம்.

DFWB-THANJAVUR

மருத்துவ அலுவலரின் கையொப்பம்
பெயர் மற்றும் பதவி.

S.No	Co-T no	Name	Age	Address	Phone No.	Education	Religion	Booking status	Mentorial flow	Comorbidity condition	Gestational age	Mode of Delivery	Date of Delivery	Infra-partum Events	Insertion	Discharge	First follow up	Second Follow up	Third Follow up	Time of Expiration	Time of Removal	Willing to continue	Level of attraction																			
															Time of Insertion	Complication	Date of Discharge	Followup card	M/O Expiration	Complaints	Danger Signs	Any Investigations	Treatment	Copper-T	Reason for removal	Difficulty in removal	M/O Expiration	Complaints	Danger Signs	Any Investigations	Treatment	Copper-T	Reason for removal	Difficulty in removal	Time of Expiration	Time of Removal	Willing to continue	Level of attraction				
1	001/1552	Seethalakshi	19	Jeyankondam		SSLC	H	B	N/3/30	n	39+0	LSCS	08/01/2016	n	10 min	n	08/08/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	8			
2	002/1553	Manjula	30	Papanasam	A	UG	H	B	N/4/30	n	40+5	LN/EPI	08/01/2016	n	10 min	n	08/03/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	8			
3	003/1554	Vijayarani	24	Orathanadu	A	UG	H	B	N/3/30	n	39+0	LN/EPI	08/01/2016	n	10 min	n	08/03/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	7		
4	005/1556	Shanmugasapriya	20	Papanasam	A	UG	H	B	N/3/30	GHT	37+0	LN/EPI	08/01/2016	n	10 min	n	08/03/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	7			
5	006/1557	Vaidegi	25	Orathanadu	A	UG	H	B	N/4/30	n	37+2	LN/EPI	08/01/2016	n	10 min	n	08/03/2016	Y	N	Y	P	N	ND	Y	IS		N	Y	N	N	ND	N	IS						Y	7		
6	008/1559	Kowsalya	25	Nagapattinam	A	PG	H	B	N/4/30	n	37+6	LN/EPI	08/01/2016	n	10 min	n	08/03/2016	Y	N	N	N	X	N	NIS													<6 WK		N			
7	009/1560	Samiaayee	25	mannargudi	A	UG	H	B	N/5/30	n	39+1	LSCS	08/01/2016	n	10 min	n	08/08/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	9		
8	010/1561	sumithra	26	mannargudi	A	SSLC	H	B	N/3/30	n	37+0	LSCS	08/01/2016	n	10 min	n	08/08/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	7	
9	013/1564	Malathi	21	Papanasam	A	UG	H	B	N/3/30	n	37+3	LSCS	08/02/2016	n	10 min	n	08/07/2016	Y	N	Y	A	N	ND	N	IS		N	Y	A	N	ND	N	IS						Y	7		
10	014/1565	Ranjitha	25	Thanjavur	A	SSLC	H	B	N/6/30	GDM	39+6	LSCS	08/02/2016	n	10 min	n	08/07/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
11	017/1568	Selvarani	21	Orathanadu	A	SSLC	H	B	N/3/30	n	40+2	LN/EPI	08/02/2016	n	10 min	n	08/04/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
12	19/1570	Suganthi	30	Orathanadu	A	SSLC	H	B	N/5/30	n	39+0	LN/EPI	08/02/2016	n	10 min	n	08/04/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
13	20/1571	Tamilarasi	38	Orathanadu	A	SSLC	H	B	N/3/30	n	40+0	LN/EPI	08/03/2016	n	10 min	n	08/05/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
14	21/1572	Selvarani	28	Thanjavur	A	SSLC	H	B	N/3/30	n	38+0	LN/EPI	08/03/2016	n	10 min	n	08/05/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	9		
15	22/1573	Suganya	22	Perambalur	A	UG	H	B	N/4/30	n	40+0	LN/EPI	08/03/2016	n	10 min	n	08/05/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
16	23/1574	Sangeetha	27	Thanjavur	A	SSLC	H	B	N/3/30	n	40+0	LN/EPI	08/03/2016	n	10 min	n	08/05/2016	Y	N	Y	B	N	U	Y	IS	B	N									B	N		6 WK	N		
17	25/1576	Suganya	21	Perambalur	A	UG	H	B	N/3/30	n	40+1	LN/EPI	08/03/2016	n	10 min	n	08/05/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
18	26/1577	Maniammal	21	Papanasam	A	SSLC	H	B	N/3/30	n	39+0	LN/EPI	08/03/2016	n	10 min	n	08/05/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
19	27/1578	Usha	24	Orathanadu	A	SSLC	H	B	N/3/30	n	40+0	LN/EPI	08/03/2016	n	10 min	n	08/05/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
20	28/1579	Muthulakshmi	20	Thiruvaur	A	SSLC	H	B	N/4/30	BA	39+0	LN/EPI	08/03/2016	n	10 min	n	08/05/2016	Y	N	Y	B	N	ND	Y	IS		N	Y	A	N	ND	N	IS						Y	9		
21	29/1580	Latha	26	Papanasam	A	HSC	H	B	N/3/30	n	39+0	LN/EPI	08/03/2016	n	10 min	n	08/05/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	9		
22	30/1581	Arunababy	25	trichy	NA	UG	C	B	N/4/30	n	37+0	LN/EPI	08/03/2016	n	10 min	n	08/05/2016	Y	N	Y	P	N	U	Y	IS	P	N							P	N		6 WK	N				
23	33/1584	Mehala	27	Sivagankai	A	UG	H	B	N/3/30	n	40+0	LN/EPI	08/04/2016	n	10 min	n	08/06/2016	Y	N	Y	N	N	ND	N	IS		N	N	N	N	X	N	IS						Y	8		
24	34/1585	Kalaivani	25	trichy	NA	HSC	H	B	N/3/30	n	39+0	LN/EPI	08/04/2016	n	10 min	n	08/06/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
25	35/1586	Kalaiselvi	23	Thiruvaur	A	UG	H	B	N/3/30	n	38+2	LN/EPI	08/04/2016	n	10 min	n	08/06/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
26	36/1587	Sumathi	21	trichy	A	SSLC	H	B	N/3/30	HYP0	38+5	LN/EPI	08/04/2016	n	10 min	n	08/06/2016	Y	N	Y	N	N	ND	N	IS		N	Y	P	N	U	CUL	Y	IS					Y	8		
27	37/1588	Ranjitha	21	Papanasam	A	SSLC	H	B	N/6/30	n	39+0	LN/EPI	08/04/2016	n	10 min	n	08/06/2016	Y	N	Y	A	N	ND	N	IS		N	Y	B	N	U	Y	IS						Y	7		
28	42/1593	Hemalatha	20	Thanjavur	A	SSLC	H	B	N/3/30	n	37+0	OUT	08/05/2016	n	10 min	n	08/10/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
29	43/1594	Priya	20	Thanjavur	A	SSLC	H	B	N/3/30	n	39+5	LN/EPI	08/05/2016	n	10 min	n	08/07/2016	Y	Y	N	N	X	N	NIS															<6 WK			
30	44/1595	Malliga	19	Erode	A	SSLC	H	B	N/3/30	n	39+3	LN/EPI	08/05/2016	n	10 min	n	08/07/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
31	45/1596	Deepa	29	Papanasam	A	UG	H	B	N/5/30	n	39+6	LN/EPI	08/05/2016	n	10 min	n	08/07/2016	Y	N	Y	N	N	ND	N	IS		N	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
32	46/1597	Punitha	27	Orathanadu	A	UG	H	B	N/3/30	n	39+0	LN/EPI	08/05/2016	n	10 min	n	08/07/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	9		
33	47/1598	Sivaramamani	23	Pudukkottai	A	SSLC	H	B	N/2/30	GDM	39+4	LN/EPI	08/05/2016	n	10 min	n	08/07/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
34	49/1600	Deepa	20	Ariyalur	A	UG	H	B	N/3/30	n	41+0	LN/EPI	08/06/2016	n	10 min	n	08/08/2016	Y	N	Y	P	N	U	X	Y	IS		N	Y	N	N	ND	N	IS						Y	8	
35	50/1601	Soorya	22	Thiruvaur	A	SSLC	H	B	N/3/30	n	39+2	LN/EPI	08/06/2016	n	10 min	n	08/08/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
36	51/1602	Akila	26	Nagapattinam	A	PG	H	B	N/4/30	n	37+3	LN/EPI	08/06/2016	n	10 min	n	08/08/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
37	52/1603	Sangeetha	27	Thanjavur	A	SSLC	H	B	N/3/30	n	37+0	LN/EPI	08/06/2016	n	10 min	n	08/08/2016	Y	N	Y	B	N	U	Y	IS		N	Y	B	N	U	Y	IS			B	N		12 WK			
38	53/1604	Sabya	26	Ariyalur	A	UG	H	B	N/3/30	n	40+0	LN/EPI	08/06/2016	n	10 min	n	08/08/2016	Y	N	N	N	U	N	IS			N	Y	N	N	ND	N	IS						Y	9		
39	55/1606	Sridevi	23	Thanjavur	A	SSLC	H	B	N/3/30	n	39+0	LN/EPI	08/06/2016	n	10 min	n	08/08/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
40	57/1608	Punitha	20	Thanjavur	A	SSLC	H	B	N/3/30	n	38+0	LN/EPI	08/07/2016	n	10 min	n	08/09/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	9		
41	58/1609	Subha	19	Erode	A	SSLC	H	B	N/3/30	n	40+2	LN/EPI	08/07/2016	n	10 min	n	08/09/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	9		
42	59/1610	kayalvizhi	29	Ariyalur	NA	SSLC	H	B	N/2/30	n	40+3	LN/EPI	08/07/2016	n	10 min	n	08/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
43	60/1611	Malathi	34	Thanjavur	NA	SSLC	H	B	N/3/30	n	40+3	LN/EPI	08/07/2016	n	10 min	n	08/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
44	62/1613	Kalaivani	24	Thiruvaur	NA	SSLC	H	B	N/3/30	GHT	39+0	LN/EPI	08/07/2016	n	10 min	n	08/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
45	63/1614	Kanaga	24	Pudukkottai	A	HSC	H	B	N/3/30	n	37+6	LN/EPI	08/07/2016	n	10 min	n	08/09/																									

[illegible]

S.No	Cut No.	Name	Age	Address Pin No.	Education	Religion	Bonding status	Menstrual flow	Conseild condition	Gestational age	Mode of delivery	Date of Delivery	Intra-partum Events	Time of Insetion	Complication	Discharge Date of Discharge	H/O Explan	First follow up Complaints	Any investigations	Treat ment	Reason for removal	Difficulty in removal	N/H/O Explan	Able to feed thread	Second Follow up					Third Follow up					Time of Removal	Willing to continue	Level of satisfaction							
																									Complaints	Any investigations	Copper-T	Reason for removal	Difficulty in removal	N/H/O Explan	Able to feed thread	Complaints	Any investigations	Copper-T				Reason for removal	Difficulty in removal	N/H/O Explan	Able to feed thread	Complaints	Any investigations	Copper-T
223	306/1867	Annavasili	19	Ariyalur A	SSLC H B N/A/30	n	3994	LSCS	24/8/2016	n	10 min	n	31/8/2016	Y	N	N	ND	N	IS	P	N	E	N	N	N	ND	N	IS	N	N	N	N	ND	N	IS	P	N	6 WK	Y	9				
224	331/1864	Deeptha	27	Pudukkottai A	HSC H B N/A/30	GDM	3990	LN/EPI	25/8/2016	n	10 min	n	27/8/2016	Y	N	Y	P	N	U	Y	IS	N	N	N	N	ND	N	IS	N	N	N	N	ND	N	IS	P	N	6 WK	Y	9				
225	314/1865	Sulecha	26	Ariyalur A	SSLC H B N/A/30	n	3840	LN/EPI	25/8/2016	n	10 min	n	27/8/2016	Y	N	Y	N	N	ND	N	IS	N	N	N	N	ND	N	IS	N	N	N	N	ND	N	IS	P	N	6 WK	Y	9				
226	315/1866	Santhya	25	Papanasam NA	UG H B N/A/30	n	373	LN/EPI	25/8/2016	n	10 min	n	27/8/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L					
227	316/1865	Matheswari	23	Cuddalore A	SSLC H B N/A/30	n	3991	LCS	25/8/2016	n	10 min	n	27/8/2016	Y	N	Y	N	N	ND	N	IS	N	N	N	N	ND	N	IS	N	N	N	N	ND	N	IS	P	N	6 WK	Y	9				
228	317/1868	Shantha	23	Tanjore NA	UG H B N/A/30	n	405	LSCS	25/8/2016	n	10 min	n	09/01/2016	Y	N	Y	P	N	UX	N	IS	N	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
229	318/1869	Vidhya	20	Tanjavur A	HSC H B N/A/30	n	3940	LSCS	25/8/2016	n	10 min	n	30/8/2016	Y	N	Y	A	N	ND	N	IS	N	Y	B	N	U	Y	IS	N	Y	B	N	U	Y	IS	P	N	6 WK	Y	9				
230	319/1870	Rama	22	Papanasam A	UG H B N/A/30	n	3845	LSCS	25/8/2016	n	10 min	n	30/8/2016	Y	N	Y	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
231	320/1871	Sudha	24	Ariyalur A	SSLC H B N/A/30	n	3746	LSCS	25/8/2016	n	10 min	n	30/8/2016	Y	Y	N	N	X	N	N	IS	N	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
232	321/1872	Rani	25	Tanjore NA	SSLC H B N/A/30	n	3745	LSCS	25/8/2016	n	10 min	n	09/01/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
233	322/1873	Anushta	20	pattukkottai A	SSLC H B N/A/30	n	3846	LN/EPI	25/8/2016	n	10 min	n	27/8/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
234	323/1874	Savitri	20	Tanjore NA	SSLC H B N/A/29	n	4040	LN/EPI	25/8/2016	n	10 min	n	27/8/2016	Y	N	Y	N	N	ND	N	IS	N	Y	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9			
235	324/1875	Radha	20	Pudukkottali A	SSLC H B N/A/30	GHT	3743	LN/EPI	25/8/2016	n	10 min	n	27/8/2016	Y	N	Y	N	N	ND	N	IS	N	Y	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9			
236	325/1876	Sindhu	25	Tiruvaur A	SSLC H B N/A/30	n	3744	LN/EPI	25/8/2016	n	10 min	n	27/8/2016	Y	N	Y	N	N	ND	N	IS	N	N	Y	P	N	U	CUL	Y	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9	
237	326/1877	Suganya	23	Tanjore A	PG H B N/A/30	n	3946	LN/EPI	25/8/2016	n	10 min	n	27/8/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
238	327/1878	Viji	25	Tiruvaur A	SSLC H B N/A/30	n	4045	LN/EPI	25/8/2016	n	10 min	n	27/8/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
239	328/1879	Muthamiselvi	21	Ariyalur NA	HSC H B N/A/30	n	406	LSCS	26/8/2016	n	10 min	n	09/01/2016	Y	N	Y	B	N	U	Y	IS	B	N	N	Y	B	N	U	Y	IS	B	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
240	329/1880	Anbuseeli	25	Tanjore NA	PG H B N/A/30	n	3945	LSCS	26/8/2016	n	10 min	n	09/01/2016	Y	N	Y	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
241	336/1887	Jasmine	25	Papanasam A	SSLC C B N/A/30	n	3745	LN/EPI	26/8/2016	n	10 min	n	28/8/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
242	337/1888	Anitha	28	Tanjore A	SSLC H B N/A/30	n	4044	LN/EPI	26/8/2016	n	10 min	n	28/8/2016	Y	N	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
243	338/1889	Rajitha	21	Tanjore A	HSC H B N/A/30	n	374	LN/EPI	26/8/2016	n	10 min	n	28/8/2016	Y	N	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
244	339/1890	Megala	25	Tanjore A	HSC H B N/A/30	n	3944	LN/EPI	26/8/2016	n	10 min	n	28/8/2016	Y	N	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
245	344/1895	Kalaseivi	25	Tiruvaur NA	SSLC H B N/A/30	POLY	4045	LCS	27/8/2016	n	10 min	n	29/8/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
246	345/1896	Vellaiyammal	25	pattukkottai A	HSC H B N/A/30	n	3944	LN/EPI	27/8/2016	n	10 min	n	29/8/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
247	346/1897	Ilamathi	21	Tiruvaur A	HSC H B N/A/30	n	3845	LN/EPI	27/8/2016	n	10 min	n	29/8/2016	Y	N	N	N	X	N	IS	PO	N	N	Y	P	N	X	N	IS	N	Y	P	N	X	N	IS	P	N	6 WK	Y	9			
248	349/1900	Christin mary	28	Papanasam A	SSLC C B N/A/30	n	4044	LN/EPI	27/8/2016	n	10 min	n	29/8/2016	Y	N	Y	N	N	ND	N	IS	N	Y	P	N	X	N	IS	N	Y	P	N	X	N	IS	P	N	6 WK	Y	9				
249	350/1901	Vidhya	27	Pudukottai A	SSLC H B N/A/30	n	4140	LSCS	28/8/2016	n	10 min	n	09/03/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
250	351/1902	Ranjitha	22	Thirupur A	HSC H B N/A/30	n	3945	LN/EPI	28/8/2016	n	10 min	n	30/8/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
251	352/1903	Saranya	23	Papanasam A	SSLC H B N/A/30	n	4140	LCS	28/8/2016	n	10 min	n	09/03/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
252	353/1904	Veenuki	19	Madurai A	HSC H B N/A/30	n	4044	LN/EPI	28/8/2016	n	10 min	n	30/8/2016	Y	N	Y	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
253	354/1905	Sathya	26	thinaiyavaru A	HSC H B N/A/30	n	3743	LN/EPI	28/8/2016	n	10 min	n	30/8/2016	Y	N	Y	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
254	355/1906	Durgadevi	19	Ariyalur A	SSLC H B N/A/30	HYPO	3744	LN/EPI	28/8/2016	n	10 min	n	30/8/2016	Y	N	Y	A	N	ND	N	IS	N	Y	B	N	U	Y	IS	N	Y	B	N	U	Y	IS	P	N	6 WK	Y	9				
255	356/1907	Ishwarya	21	Pudukkottai A	HSC H B N/A/30	n	3942	LN/EPI	29/8/2016	n	10 min	n	31/8/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
256	357/1908	Santhya	26	Tiruvaur A	SSLC H B N/A/30	n	4044	LSCS	29/8/2016	n	10 min	n	09/05/2016	Y	N	Y	P	N	UX	Y	IS	N	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
257	358/1909	Rasathi	20	Pudukkottai A	SSLC H B N/A/30	n	3743	LSCS	29/8/2016	n	10 min	n	09/05/2016	Y	N	Y	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
258	359/1910	Prabavathi	25	Papanasam A	SSLC H B N/A/30	n	3942	LN/EPI	29/8/2016	n	10 min	n	31/8/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
259	360/1911	Buvanewari	20	Trichy A	SSLC H B N/A/30	n	4042	LN/EPI	29/8/2016	n	10 min	n	31/8/2016	Y	N	Y	P	B	N	X	Y	IS	N	Y	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
260	361/1912	Anushta	20	Tanjavur A	SSLC H B N/A/30	n	4045	LCS	29/8/2016	n	10 min	n	09/05/2016	Y	N	Y	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
261	362/1913	Revathi	20	Tanjore NA	SSLC H B N/A/30	n	3843	LN/EPI	30/8/2016	n	10 min	n	09/01/2016	Y	N	N	N	X	N	N	IS	N	N	N	N	N	ND	N	IS	N	N	N	N	N	ND	N	IS	P	N	6 WK	Y	9		
262	363/1914	Kalaimani	27	Tiruvaur A	UG H B N/A/30	n	3746	LN/EPI	30/8/2016	n	10 min	n	09/01/2016	Y	N	Y	N	N	N	N	IS	N	Y	N	N	N	N	ND	N	IS	N	Y	N	N	N	N	ND	N	IS	P	N	6 WK	Y	9
263	364/1915	Lalitha	28	Papanasam A	SSLC H B N/A/30	n	4042	LN/EPI	30/8/2016	n	10 min	n	09/01/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
264	365/1916	Radha	26	orathanadu NA	HSC H B N/A/30	n	3743	LN/EPI	30/8/2016	n	10 min	n	09/01/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L				
265	366/1917	Vasanthi	24	Tiruvaur A	SSLC H B N/A/30	n	3843	LN/EPI	30/8/2016	n	10 min	n	09/01/2016	Y	L	L	L	L	L	L	L																							

[illegible]

S.No	Cu-T no	Name	Age	Address	pin No.	Education	Religion	Booking status	Mental flow	Comorbid condition	Gestational age	Mode of Delivery	Date of Delivery	Intra-partum Events	Insertion	Discharge	First follow up	Second Follow up	Third Follow up	Time of Expiration	Time of Removal	Willing to continue	Level of attraction																			
															Time of Insertion	Complication	Date of Discharge	Followup card	M/O Eruption	Complaints	Danger Signs	Any Investigations	Treatment	Copper-T	Reason for removal	Difficulty in removal	M/O Eruption	Complaints	Danger Signs	Any Investigations	Treatment	Copper-T	Reason for removal	Difficulty in removal	Time of Expiration	Time of Removal	Willing to continue	Level of attraction				
445	276/2199	Rexlin	23	Tanjore	NA	UG	C	B	N/4/28	n	40+5	LN/EPI	17/9/2016	n	10 min	n	19/9/2016	Y	N	L	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	9			
446	277/2200	Suganya	24	Tiruvarur	A	PG	H	B	N/3/28	n	39+4	LN/EPI	17/9/2016	n	10 min	n	19/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
447	278/2201	Rajeshwari	27	Tanjore	A	PG	H	B	N/3/30	n	38+5	LN/EPI	17/9/2016	n	10 min	n	19/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
448	279/2202	Muthumari	29	Tanjore	NA	UG	H	B	N/4/30	n	40+4	LN/EPI	17/9/2016	n	10 min	n	19/9/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	9			
449	280/2203	Saathya	22	Papanasam	A	SSLC	H	B	N/3/28	n	41+0	LN/EPI	18/9/2016	n	10 min	n	20/9/2016	Y	N	Y	P	N	ND	Y	IS		N	Y	P	N	U	Y	IS	P	N		12 WK					
450	283/2206	Sunamika	21	Pudukkottai	A	UG	H	B	N/3/28	n	39+5	LN/EPI	18/9/2016	n	10 min	n	20/9/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	7			
451	284/2207	Vijayashanthi	19	Tanjore	A	SSLC	H	B	N/3/30	n	41+0	LN/EPI	18/9/2016	n	10 min	n	20/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
452	285/2208	Nagavalli	20	Ariyalur	A	HSC	H	B	N/4/30	n	40+4	LN/EPI	18/9/2016	n	10 min	n	20/9/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	8			
453	289/2212	Jeyasudha	30	Tanjore	A	HSC	H	B	N/3/28	n	37+3	LN/EPI	18/9/2016	n	10 min	n	20/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
454	290/2213	Vinotha	28	Tiruvarur	A	SSLC	H	B	N/3/30	n	37+4	LN/EPI	18/9/2016	n	10 min	n	20/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
455	291/2214	Kanaga	23	orathanadu	A	SSLC	H	B	N/3/28	GDM	39+2	LN/EPI	18/9/2016	n	10 min	n	20/9/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	9			
456	292/2215	Amsavalli	26	Tanjore	NA	PG	H	B	N/4/30	n	40+4	VAC	18/9/2016	n	10 min	n	23/9/2016	Y	N	Y	A	N	ND	N	IS		N	Y	B	N	U	Y	IS						Y	8		
457	294/2217	Malarkodi	27	Papanasam	A	SSLC	H	B	N/3/28	n	37+3	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
458	295/2218	Sulfa	27	Ariyalur	A	HSC	H	B	N/4/30	n	39+2	LSCS	19/9/2016	n	10 min	n	26/9/2016	Y	N	Y	P	N	U	X	Y	IS		N	Y	P	N	CUL	Y	IS				Y	7			
459	296/2219	Sathyavani	30	Nagapattinam	A	SSLC	H	B	N/3/28	n	40+2	LSCS	19/9/2016	n	10 min	n	26/9/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	9			
460	297/2220	Dharani	21	orathanadu	A	UG	H	B	N/3/28	n	40+5	LSCS	19/9/2016	n	10 min	n	26/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
461	298/2221	Dhivyaa	26	Tanjore	NA	SSLC	H	B	N/3/30	n	38+3	LSCS	19/9/2016	n	10 min	n	26/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
462	299/2222	Jeewitha	24	Tanjore	A	PG	H	B	N/3/28	n	37+6	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	N	Y	N	ND	N	IS		N	N	N	ND	N	IS							Y	8			
463	301/2224	Ilakya	27	Tanjore	NA	PG	H	B	N/3/30	n	40+2	OUT	19/9/2016	n	10 min	n	24/9/2016	Y	N	Y	N	ND	N	IS		Y	N	B	N	U	N	IS										
464	302/2225	Arochya basilica	22	Tanjore	A	SSLC	H	B	N/3/28	n	37+3	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS						6-12 WK			Y	9
465	303/2226	Rajakumari	24	Pudukkottai	NA	PG	H	B	N/3/30	n	38+3	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
466	304/2227	Pabavathy	27	Tanjore	A	SSLC	H	B	N/3/28	GHT	39+1	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
467	307/2230	Balamirham	21	Tanjore	A	SSLC	H	B	N/5/30	n	39+4	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
468	308/2231	Shanmugapriya	22	Usilampatti	A	UG	H	B	N/4/30	n	39+0	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
469	309/2233	Jeyapradha	25	Karur	A	PG	H	B	N/4/32	n	38+0	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
470	311/2234	Banumathi	27	Pattukkottai	A	SSLC	H	B	N/5/30	n	37+3	VAC	19/9/2016	n	10 min	n	24/9/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS							Y	9		
471	312/2235	Kalavani	25	Tanjore	NA	PG	H	B	N/5/30	n	39+1	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
472	313/2236	Anbalagi	24	Pattukkottai	A	SSLC	H	B	N/5/30	n	40+5	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
473	314/2237	Sindhibaravi	25	Papanasam	A	UG	H	B	N/4/30	n	39+0	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
474	315/2238	Pavithra	20	Tanjore	A	HSC	H	B	N/4/30	n	38+5	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS							Y	9		
475	316/2239	Buvaneshwari	23	Tanjore	A	SSLC	H	B	N/3/30	POLY	37+6	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
476	317/2240	Stellamichael mary	29	Tanjore	A	SSLC	C	B	N/3/30	n	37+5	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	N	Y	P	N	ND	Y	IS		N	Y	N	N	ND	N	IS						Y	7		
477	318/2241	Renuga	20	Pudukkottai	A	SSLC	H	B	N/4/30	n	38+6	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
478	319/2242	Suganya	23	orathanadu	A	UG	H	B	N/6/30	n	40+0	LN/EPI	19/9/2016	n	10 min	n	21/9/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS							Y	9		
479	320/2243	Arochya selvi	33	Papanasam	A	HSC	C	B	N/4/30	n	37+4	LSCS	20/9/2016	n	10 min	n	26/9/2016	Y	N	Y	P	N	U	Y	IS	P	N															
480	321/2244	Shakila	24	Papanasam	A	PG	H	B	N/5/30	n	37+4	LN/EPI	19/9/2016	n	10 min	n	22/9/2016	Y	N	Y	N	ND	N	IS		Y	N	B	N	U	N	IS										
481	322/2245	Karthiga	19	Bavani	A	SSLC	H	B	N/4/28	n	39+6	LN/EPI	20/9/2016	n	10 min	n	22/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
482	323/2246	Kanaga	22	Tanjore	A	H	B	N/3/28	n	40+5	LN/EPI	20/9/2016	n	10 min	n	22/9/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS									Y	9	
483	324/2247	Ananthi	28	Tanjore	A	PG	H	B	N/3/30	n	40+6	LN/EPI	20/9/2016	n	10 min	n	22/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
484	326/2249	Kalpana	27	Tanjore	NA	UG	H	B	N/4/32	n	39+5	VAC	20/9/2016	n	10 min	n	25/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
485	327/2250	Rajathi	22	Tanjore	A	UG	H	B	N/4/28	BA	37+5	LN/EPI	20/9/2016	n	10 min	n	22/9/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	Y	IS							Y	9		
486	328/2251	Karthiga	20	Tanjore	A	H	B	N/3/28	n	40+4	LN/EPI	20/9/2016	n	10 min	n	22/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L			
487	329/2252	Kalaseelvi	20	Tanjore	A	SSLC	H	B	N/3/30	n	37+5	LN/EPI	20/9/2016	n	10 min	n	22/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
488	330/2253	Durgadevi	22	Villupuram	A	UG	H	B	N/4/30	n	39+4	LSCS	20/9/2016	n	10 min	n	28/9/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
489	331/2254	Krishnaveni	24	Pudukkottai	A	PG	H	B	N/3/28	n	40+5	LSCS	20/9/2016	n	10 min	n	28/9/2016	Y	N	Y	A	N	ND	N	IS		N	Y	A	N	ND	N	IS							Y	7	
490	332/2255	Beevijah	20																																							

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S.No	Co-T no	Name	Age	Address	pin No.	Education	Religion	Booking status	Mental flow	Comorbid condition	Gestational age	Mode of Delivery	Date of Delivery	Insertion	Discharge	First follow up	Second Follow up	Third Follow up	Time of Expiration	Level of attribution																			
														Time of Insertion	Complication	Date of Discharge	Followup card	M/O Expiration	Complaints	Danger Signs	Any Investigations	Treat ment	Copper-T	Reason for removal	Difficulty in removal	M/O Expiration	Complaints	Danger Signs	Any Investigations	Treatment	Copper-T	Reason for removal	Difficulty in removal	Time of Expiration	Time of Removal	Willing to continue	Level of attribution		
1185	128/3324	Revathy	23	Orathanadu	A	HSC	H	B	N/5/30	n	38+1	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS				Y	9		
1186	129/3325	Kousika	20	Arnyar	A	HSC	H	B	N/4/30	n	39+2	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1187	130/3326	Sathy	20	Orathanadu	A	SSLC	H	B	N/4/30	n	39+1	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1188	131/3327	Lurthumery	26	Arnyar	A	UG	H	B	N/3/30	n	39+2	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1189	132/3328	Sarany	22	Mannarkudi	A	SSLC	H	B	N/6/30	n	38+2	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	N	Y	N	ND	N	IS		N	Y	N	N	ND	N	IS				Y	9		
1190	133/3329	Maniyammal	29	Mannarkudi	NA	SSLC	H	B	N/5/30	n	40+1	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	N	Y	B	N	U	Y	IS	B	N									6 WK			
1191	134/3330	Anushya	20	Thanjavur	A	UG	H	B	N/6/30	n	38+2	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1192	135/3331	Arokyapavulin mery	27	Udaiyarpalay	A	SSLC	C	B	N/5/30	n	40+3	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1193	136/3332	Shamugapriya	25	Thiruvurur	A	SSLC	H	B	N/4/30	GDM	38+1	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	N	N	N	X	N	IS		N	N	N	U	N	IS					Y	8		
1194	137/3333	Indumathi	22	Mannarkudi	A	SSLC	H	B	N/3/30	n	39+2	VAC	11/06/2016	n	10 min	n	11/11/2016	Y	N	Y	N	N	ND	N	IS		Y	N	N	X	N	NIS							
1195	139/3335	Chinnamali	20	Papanasam	A	SSLC	H	B	N/3/30	n	38+1	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS						
1196	140/3336	Radhika	23	Orathanadu	A	HSC	H	B	N/4/30	n	39+2	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1197	141/3337	Bhuvaneshwari	24	Thanjavur	A	SSLC	H	B	N/5/30	n	38+2	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1198	142/3338	Vennila	24	Orathanadu	NA	UG	H	B	N/4/30	n	40+1	LN/EPI	11/06/2016	n	10 min	n	11/08/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS				Y	9	
1199	146/3342	Gayathri	23	Valangaiman	A	SSLC	H	B	N/3/28	n	38+2	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1200	148/3344	Ambika	25	Thanjavur	A	SSLC	H	B	N/4/30	n	38+1	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1201	151/3347	Sarany	24	Thanjavur	A	UG	H	B	N/3/30	n	40+2	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS				Y	9	
1202	152/3348	Umanageshwari	33	Thanjavur	A	PG	H	B	N/5/30	n	38+2	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	N	Y	P	N	U	Y	IS	P	N									6 WK			
1203	153/3349	Vediyavalli	20	Orathanadu	A	HSC	H	B	N/4/30	n	39+1	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	N	Y	N	N	ND	N	IS		N	N	N	X	N	IS					Y	8	
1204	154/3350	Devibala	22	Orathanadu	A	SSLC	H	B	N/5/30	GHT	38+2	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1205	155/3351	Kayalvizhi	21	Theni	A	UG	H	B	N/3/30	n	39+4	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1206	156/3352	Durgadevi	24	Papanasam	A	HSC	H	B	N/4/29	n	40+3	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	N	Y	N	N	ND	N	IS		N	Y	P	N	U,CUL	Y	IS				Y	8	
1207	157/3353	Sugandhi	27	Trichy	A	HSC	H	B	N/5/30	n	38+2	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	N	Y	A	N	N	ND	N	IS		N	Y	B	N	U	Y	IS				Y	7
1208	158/3354	Gayathri	24	Thanjavur	NA	HSC	H	B	N/3/30	n	38+2	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1209	159/3355	Vennila	24	Thanjavur	A	SSLC	H	B	N/3/30	n	39+4	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	L	N	N	N	X	N	NIS													<6 WK	
1210	160/3356	Revathy	21	Thanjavur	A	HSC	H	B	N/4/30	n	37+2	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	N	Y	N	N	ND	N	IS		L	L	L	L	L	L	L	L	L	L	L	L	
1211	161/3357	Vaniha	33	Orathanadu	A	SSLC	H	B	N/4/28	n	40+3	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1212	162/3358	Rajeshwari	20	Thiruvurur	A	HSC	H	B	N/3/30	n	40+2	LN/EPI	11/07/2016	n	10 min	n	11/09/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS					Y	9
1213	163/3359	Nanthini	24	Thanjavur	A	UG	H	B	N/5/30	POLY	39+6	LSCS	11/07/2016	n	10 min	n	11/12/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1214	164/3360	Rajeshwari	25	Thanjavur	NA	PG	H	B	N/5/30	n	37+2	LSCS	11/07/2016	n	10 min	n	11/12/2016	Y	N	Y	P	N	U,X	Y	IS		N	Y	N	N	ND	N	IS				Y	8	
1215	174/3370	Ramy	28	Kumbakonam	A	PG	H	B	N/4/30	n	38+4	VAC	11/08/2016	n	10 min	n	13/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1216	175/3371	Kanimozhi	24	Thanjavur	A	UG	H	B	N/3/30	n	40+5	VAC	11/08/2016	n	10 min	n	13/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1217	176/3372	Sasikala	23	Papanasam	A	PG	H	B	N/3/30	n	40+3	LN/EPI	11/08/2016	n	10 min	n	11/10/2016	Y	N	Y	B	N	U	Y	IS		N	Y	B	N	U	Y	IS	B	N		12 WK		
1218	177/3373	Pothumponnu	20	puudukkottai	A	HSC	H	B	N/3/30	n	37+3	LN/EPI	11/08/2016	n	10 min	n	11/10/2016	Y	N	N	N	N	U	N	IS		N	Y	N	N	ND	N	IS				Y	9	
1219	178/3374	Mahalekmi	22	Thanjavur	A	SSLC	H	B	N/4/30	n	38+3	LN/EPI	11/08/2016	n	10 min	n	11/10/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1220	179/3375	Durgadevi	21	Thanjavur	A	SSLC	H	B	N/5/30	n	40+2	LSCS	11/08/2016	n	10 min	n	11/09/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS					Y	8
1221	180/3376	Baby	21	puudukkottai	A	UG	H	B	N/4/30	n	39+4	LSCS	11/08/2016	n	10 min	n	13/11/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS					Y	8
1222	181/3377	Divya	24	Mannarkudi	A	UG	H	B	N/3/30	n	39+0	LSCS	11/08/2016	n	10 min	n	13/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1223	182/3378	Kousika	27	Kumbakonam	A	SSLC	H	B	N/4/30	BA	38+0	LSCS	11/08/2016	n	10 min	n	13/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1224	189/3385	Anushya	23	Thanjavur	A	SSLC	H	B	N/5/30	n	37+3	LN/EPI	11/08/2016	n	10 min	n	11/10/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS				Y	7	
1225	190/3386	Sathy	24	Valangaiman	A	UG	H	B	N/3/30	n	39+1	LN/EPI	11/08/2016	n	10 min	n	11/10/2016	Y	N	Y	P	N	ND	Y	IS		N	Y	N	N	ND	N	IS				Y	7	
1226	191/3387	Gayathri	23	Thanjavur	A	UG	H	B	N/4/30	n	40+5	LN/EPI	11/08/2016	n	10 min	n	11/10/2016	Y	N	N	N	N	X	N	NIS													<6 WK	
1227	192/3388	Kousika	24	Orathanadu	A	UG	H	B	N/5/30	n	39+0	LN/EPI	11/08/2016	n	10 min	n	11/10/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS				Y	9	
1228	193/3389	jasmine	28	Thanjavur	A	SSLC	C	B	N/3/30	GHT	38+5	LN/EPI	11/08/2016	n	10 min	n	11/10/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1229	195/3391	Jeythi	26	Thanjavur	A	PG	H	B	N/4/30	n	37+6	LN/EPI	11/08/2016	n	10 min	n	11/10/2016	Y	N	Y	A	N	ND	N	IS		N	Y	B	N	ND	Y	IS				Y	7	
1230	196/3392	Kalavani	28	Kantharvakoti	A	SSLC	H	B	N/3/30	n	37+5	LN/EPI	11/08/2016	n	10 min	n	11/10/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1231	197/3393	Ramy	25	Viruthunagar	A	SSLC	H	B	N/3/30	n	38+6																												

S.No	CUT no	Name	Age	Address	Pin No.	Education	Religion	Residing status	Menstrual flow	Conseild condition	Gestational age	Mode of Delivery	Date of Delivery	Time of Inversion	Complication	Date of Discharge	H/o Explan	H/o Explan	Complaints	Any investigations	First follow up	Second Follow up	Third Follow up	Time of Explan	Time of Removal	Willing to continue	Level of satisfaction							
																												Insertion	Discharge	First follow up	Second Follow up	Third Follow up		
1333	328/3524	Jeevarani	25	Aranthang	NA	HSC	H	B	N/3/28	n	39+3	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	N	A	N	ND	N	IS	N	Y	N	N	ND	N	IS	Y	8		
1334	329/3525	Meena	22	Karambakkur	NA	SSLC	H	B	N/3/28	n	38+2	OUT	14/11/2016	10 min	n	19/11/2016	Y	N	Y	A	N	ND	N	IS	N	Y	N	N	ND	N	IS	Y	7	
1335	330/3526	Sathya	23	Papanasam	NA	UG	H	B	N/3/30	HYPO	40+0	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	N	Y	N	ND	N	IS	N	Y	N	N	ND	N	IS	Y	8		
1336	331/3527	Sathya	20	Aiyaral	NA	SSLC	H	B	N/3/28	n	38+1	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	N	Y	N	ND	N	IS	N	Y	N	N	ND	N	IS	Y	9		
1337	332/3528	Chellammal	22	Thanjav	NA	SSLC	H	B	N/3/30	n	39+2	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	N	Y	N	ND	N	IS	N	Y	N	N	ND	N	IS	Y	9		
1338	333/3530	Rameela	30	Orathanadu	NA	HSC	M	B	N/3/28	n	39+2	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1339	334/3531	Kala	23	Papanasam	NA	HSC	H	B	N/3/30	n	38+4	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	N	Y	N	ND	N	IS	N	Y	N	N	ND	N	IS	Y	9		
1340	335/3532	Ponni	22	Thanjav	NA	SSLC	H	B	N/3/28	n	40+2	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	N	N	N	X	N	NIS	N	Y	N	N	N	ND	N	IS	Y	9	
1341	336/3533	Priyanka	21	Aiyaral	NA	UG	H	B	N/5/30	n	38+1	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	N	Y	A	N	ND	N	IS	N	Y	Y	B	N	ND	N	IS	Y	7
1342	337/3534	Fathima	21	Pattukkottai	NA	HSC	M	B	N/4/30	GHT	38+0	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	N	Y	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	Y	9
1343	338/3535	Renukadevi	19	Trichy	NA	HSC	H	B	N/4/32	n	38+1	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	N	Y	N	N	ND	N	IS	N	Y	N	N	ND	N	IS	Y	8	
1344	339/3536	Selvi	23	Pattukkottai	NA	UG	H	B	N/5/30	n	40+1	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	N	N	N	U	N	IS	N	Y	N	N	N	ND	N	IS	Y	8	
1345	340/3537	Anudhya	24	Thanjav	NA	SSLC	H	B	N/4/30	n	38+2	LN/EPI	14/11/2016	10 min	n	17/11/2016	Y	N	N	N	ND	N	IS	N	Y	N	N	N	ND	N	IS	Y	9	
1346	343/3540	Sangeetha	25	Aiyaral	NA	SSLC	H	B	N/5/30	n	40+1	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1347	345/3542	Gunasela	25	Orathanadu	NA	SSLC	H	B	N/4/30	n	38+2	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	N	Y	N	N	ND	N	IS	N	Y	P	N	U	N	IS	Y	7	
1348	346/3543	Kotika	26	Papanasam	NA	UG	H	B	N/4/30	n	39+2	LN/EPI	14/11/2016	10 min	n	16/11/2016	Y	N	Y	B	N	ND	Y											

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S.No	Co-T no	Name	Age	Address	pin No.	Education	Religion	Booking status	Mental flow	Comorbid condition	Gestational age	Mode of Delivery	Date of Delivery	Intra-partum Events	Insertion	Discharge	First follow up	Second Follow up	Third Follow up	Time of Expiration	Time of Removal	Willing to continue	Level of attraction																			
															Time of Insertion	Complication	Date of Discharge	Followup card	M/O Eruption	Abile to feel thread	Complaints	Danger Signs	Any Investigations	Treatment	Copper-T	Reason for removal	Difficulty in removal	M/O Eruption	Abile to feel thread	Complaints	Danger Signs	Any Investigations	Treatment	Copper-T	Reason for removal	Difficulty in removal	Time of Expiration	Time of Removal	Willing to continue	Level of attraction		
1481	533/3730	Revathi	22	papanasam	NA	PG	H	B	N/4/30	n	40+6	LN/EPI	23/11/2016	n	10 min	n	25/11/2016	Y	N	N	N	N	U	N	IS		N	Y	P	N	ND	N	IS									
1482	534/3731	Rahamathulnisha	23	Perambalur	NA	SSLC	H	B	N/3/30	n	39+5	LN/EPI	23/11/2016	n	10 min	n	25/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1483	535/3732	Ezhilarasai	29	orathanadu	A	PG	H	B	N/3/30	n	37+5	OUT	23/11/2016	n	10 min	n	28/11/2016	Y	N	Y	A	N	ND	N	IS		N	Y	B	N	U	Y	IS									
1484	536/3733	Vembarasi	23	papanasam	A	uG	H	B	N/3/30	n	40+4	LSCS	23/11/2016	n	10 min	n	28/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1485	537/3734	Jency	22	tanjore	NA	HSC	C	B	N/3/30	n	37+5	LSCS	23/11/2016	n	10 min	n	28/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1486	538/3735	Rathnamany	27	ariyalur	A	SSLC	H	B	N/4/30	n	39+4	LSCS	23/11/2016	n	10 min	n	28/11/2016	Y	N	Y	A	N	ND	N	IS		N	Y	A	N	ND	N	IS									
1487	539/3736	Selvarani	30	thiruvurur	A	SSLC	H	B	N/3/30	n	40+5	LSCS	23/11/2016	n	10 min	n	28/11/2016	Y	N	Y	N	N	ND	N	IS		N	Y	P	N	U/CUL	Y	IS									
1488	540/3737	Priya	23	tanjore	A	HSC	H	B	N/4/30	n	39+4	LN/EPI	23/11/2016	n	10 min	n	28/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1489	541/3744	Rama	24	ariyalur	A	SSLC	H	B	N/3/30	n	38+5	LN/EPI	23/11/2016	n	10 min	n	25/11/2016	Y	L	N	N	X	N	NIS																		
1490	548/3745	Thangamani	29	thiruvurur	A	SSLC	H	B	N/3/30	GHT	38+0	LN/EPI	23/11/2016	n	10 min	n	25/11/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS									
1491	549/3746	Abirami	22	tanjore	A	SSLC	H	B	N/3/30	n	41+0	LN/EPI	23/11/2016	n	10 min	n	25/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1492	550/3747	Thilagavathy	20	pudukottai	A	SSLC	H	B	N/3/30	n	39+5	LN/EPI	23/11/2016	n	10 min	n	25/11/2016	Y	N	Y	A	N	ND	N	IS		N	Y	N	A	ND	N	IS									
1493	551/3748	Rekha	25	tanjore	A	SSLC	H	B	N/6/30	n	41+0	LSCS	24/11/2016	n	10 min	n	30/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1494	552/3749	Sumithra	21	tanjore	A	PG	H	B	N/3/30	n	40+4	LSCS	24/11/2016	n	10 min	n	30/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1495	553/3750	Dhivyaa	19	ariyalur	A	SSLC	H	B	N/3/30	n	37+3	LSCS	24/11/2016	n	10 min	n	30/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1496	554/3751	Karthiga	23	thiruvurur	A	PG	H	B	N/3/30	n	37+4	LSCS	24/11/2016	n	10 min	n	30/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1497	558/3755	Backyalakshmi	26	pattukottai	A	PG	H	B	N/5/30	n	39+4	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS									
1498	559/3756	Rajeswari	30	ariyalur	NA	SSLC	H	B	N/3/30	GHT	39+0	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS									
1499	560/3757	Revathi	24	truchy	A	HSC	H	B	N/2/30	n	40+5	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	N	Y	P	N	U	Y	IS		P	N														
1500	562/3759	Priya	25	vilupuram	A	uG	H	B	N/3/30	n	39+0	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1501	563/3760	Pavithra	19	ariyalur	A	HSC	H	B	N/3/30	n	39+0	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1502	564/3761	Gunasundari	22	tanjore	A	uG	H	B	N/4/30	n	37+2	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1503	565/3762	Brahadeswari	21	tanjore	A	uG	H	B	N/3/30	n	37+6	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS									
1504	566/3763	Rekha	25	tanjore	A	HSC	H	B	N/3/30	GDM	39+1	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1505	567/3764	Rajakumari	25	tanjore	A	SSLC	H	B	N/3/30	n	37+0	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1506	568/3765	Rajeswari	25	thiruvurur	A	uG	H	B	N/3/30	n	37+6	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1507	569/3766	Vinita	21	thiruvurur	A	SSLC	H	B	N/3/30	n	39+0	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS									
1508	570/3767	Kanaga	24	thiruvurur	A	SSLC	H	B	N/2/30	n	40+2	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1509	571/3768	Yogalakshmi	21	tanjore	NA	PG	H	B	N/3/30	n	39+0	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS									
1510	572/3769	Sasikala	36	tanjore	NA	PG	H	B	N/3/30	n	40+0	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1511	573/3770	Meerabai	20	tanjore	NA	SSLC	H	B	N/3/30	n	38+0	LN/EPI	24/11/2016	n	10 min	n	26/11/2016	Y	N	Y	N	N	ND	N	IS		Y	N	N	N	X	N	NIS									
1512	574/3771	Kavipriya	21	tanjore	NA	HSC	H	B	N/3/30	n	40+0	VAC	24/11/2016	n	10 min	n	29/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1513	577/3774	Selvanyakki	35	Nagapattinam	A	PG	H	B	N/5/30	n	40+0	LN/EPI	25/11/2016	n	10 min	n	27/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1514	578/3775	Mathavi	26	kumbakonam	A	HSC	H	B	N/3/30	BA	40+1	LN/EPI	25/11/2016	n	10 min	n	27/11/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS									
1515	579/3776	Jothimani	24	orathanadu	NA	SSLC	H	B	N/4/30	n	39+0	LN/EPI	25/11/2016	n	10 min	n	27/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1516	580/3777	Anitha	25	ariyalur	A	uG	H	B	N/3/30	n	40+0	LN/EPI	25/11/2016	n	10 min	n	27/11/2016	Y	N	Y	A	N	ND	N	IS		N	Y	B	N	U	Y	IS									
1517	581/3778	Pranilarani	24	tanjore	A	uG	H	B	N/2/30	n	39+0	LN/EPI	25/11/2016	n	10 min	n	27/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1518	582/3779	Tamilnani	22	tanjore	A	SSLC	H	B	N/3/30	n	39+0	LN/EPI	25/11/2016	n	10 min	n	27/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1519	584/3781	Sarojadevi	21	pudukottai	A	HSC	H	B	N/3/30	n	37+0	LN/EPI	25/11/2016	n	10 min	n	27/11/2016	Y	N	Y	B	N	U	Y	IS		N	Y	B	N	U	Y	IS									
1520	585/3782	Kalarani	27	orathanadu	NA	PG	H	B	N/4/30	HYPO	40+0	LN/EPI	25/11/2016	n	10 min	n	27/11/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS									
1521	586/3783	Rajeswari	26	truchy	A	PG	H	B	N/3/30	n	39+0	LN/EPI	25/11/2016	n	10 min	n	27/11/2016	Y	N	N	N	N	X	N	IS		N	N	N	N	ND	N	IS									
1522	587/3784	Suguna	20	orathanadu	A	SSLC	H	B	N/3/30	n	38+2	LN/EPI	25/11/2016	n	10 min	n	27/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1523	588/3785	Sasi	23	papanasam	A	SSLC	H	B	N/3/30	n	38+5	LN/EPI	25/11/2016	n	10 min	n	27/11/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS									
1524	589/3786	Parameswari	23	ariyalur	A	SSLC	H	B	N/6/30	n	37+3	LN/EPI	25/11/2016	n	10 min	n	27/11/2016	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS									

[illegible]

[illegible]

S.No	Co-T no	Name	Age	Address	pre No.	Education	Religion	Booking status	Mental flow	Comorbid condition	Gestational age	Mode of Delivery	Date of Delivery	Insertion	Discharge	First follow up	Second Follow up	Third Follow up	Time of Expiration	Time of Removal	Willing to continue	Level of attraction																			
														Time of Insertion	Complication	Date of Discharge	Followup card	M/O Expiration	Complaints	Danger Signs	Any Investigations	Treat ment	Copper-T	Reason for removal	Difficulty in removal	M/O Expiration	Complaints	Danger Signs	Any Investigations	Treatment	Copper-T	Reason for removal	Difficulty in removal	Time of Expiration	Time of Removal	Willing to continue	Level of attraction				
1703	153/4069	Jeyanthi	23	Arriyalur	A	SSLC	H	B	N/3/30	n	40+2	VAC	12/07/2016	n	10 min	n	12/12/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L			
1704	154/4070	Sangeetha	19	Tanjore	A	H	B	N/4/30	n	39+4	LN/EPI	12/07/2016	n	10 min	n	12/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L			
1705	155/4071	Sargini	21	Pudukottai	A	UG	H	B	N/4/30	BA	40+3	LN/EPI	12/07/2016	n	10 min	n	12/09/2016	Y	N	Y	N	ND	N	IS	L	N	Y	N	N	ND	N	IS	L	N	Y	N	IS	9			
1706	157/4073	Sasikala	21	Thiruvurur	A	HSC	H	B	N/3/30	n	38+2	LN/EPI	12/07/2016	n	10 min	n	12/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1707	158/4074	Nasreen	26	Tanjore	A	PG	M	B	N/5/30	n	38+2	LN/EPI	12/07/2016	n	10 min	n	12/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1708	159/4075	Menaga	22	Pudukottai	A	PG	H	B	N/5/30	n	39+4	LN/EPI	12/07/2016	n	10 min	n	12/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1709	160/4076	Prema	21	Tanjore	A	SSLC	H	B	N/4/30	n	37+2	LN/EPI	12/07/2016	n	10 min	n	12/09/2016	Y	N	Y	A	N	ND	N	IS	L	N	Y	A	N	ND	N	IS	L	N	Y	B	N	IS	7	
1710	161/4077	Malathi	20	Tanjore	A	HSC	H	B	N/3/30	n	40+3	LN/EPI	12/07/2016	n	10 min	n	12/09/2016	Y	N	Y	N	N	ND	N	IS	L	N	Y	N	N	ND	N	IS	L	N	Y	N	N	IS	9	
1711	162/4078	Jothi	24	Thiruvurur	A	PG	H	B	N/3/30	HYPO	40+1	LN/EPI	12/07/2016	n	10 min	n	12/09/2016	Y	N	Y	P	N	X	Y	IS	L	N	Y	P	N	U,CUL	Y	IS	L	N	Y	N	N	IS	8	
1712	163/4079	Janani	21	Thiruvurur	A	HSC	H	B	N/3/30	n	39+6	LN/EPI	12/07/2016	n	10 min	n	12/09/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1713	164/4080	Jeyanugana	22	Tanjore	A	SSLC	H	B	N/4/30	n	37+2	LN/EPI	12/07/2016	n	10 min	n	12/09/2016	Y	Y	N	N	N	X	N	NIS	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1714	166/4082	Saranya	22	Arriyalur	A	HSC	H	B	N/5/30	n	38+4	LN/EPI	12/08/2016	n	10 min	n	12/10/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1715	167/4083	Sudha	26	Orathanadu	A	PG	H	B	N/4/30	n	40+5	LN/EPI	12/08/2016	n	10 min	n	12/10/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1716	170/4086	Vani	20	Tanjore	A	SSLC	H	B	N/3/30	n	40+3	LN/EPI	12/08/2016	n	10 min	n	12/10/2016	Y	N	Y	N	N	ND	N	IS	L	N	Y	N	N	ND	N	IS	L	N	Y	N	N	IS	9	
1717	171/4087	Sheela	24	Tanjore	NA	SSLC	H	B	N/4/30	n	37+3	LN/EPI	12/08/2016	n	10 min	n	12/10/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1718	172/4088	Sangeetha	21	Orathanadu	A	SSLC	H	B	N/5/30	GDM	38+3	LN/EPI	12/08/2016	n	10 min	n	12/10/2016	Y	N	Y	N	N	ND	N	IS	L	N	Y	N	N	ND	N	IS	L	N	Y	N	N	IS	9	
1719	174/4090	Mala	22	Trichy	NA	UG	H	B	N/3/30	n	40+2	LN/EPI	12/08/2016	n	10 min	n	12/10/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1720	175/4091	Rekha	23	Orathanadu	A	HSC	H	B	N/4/30	n	39+4	LN/EPI	12/08/2016	n	10 min	n	12/10/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1721	178/4094	Soundharya	21	Tanjore	A	HSC	H	B	N/5/30	n	39+0	LN/EPI	12/08/2016	n	10 min	n	12/10/2016	Y	N	Y	B	N	ND	Y	IS	L	N	Y	A	N	ND	N	IS	L	N	Y	A	N	IS	9	
1722	180/4096	Shanmugasriya	26	chennai	A	PG	H	B	N/3/30	n	38+0	LN/EPI	12/08/2016	n	10 min	n	12/10/2016	Y	N	Y	N	N	ND	N	IS	L	N	Y	N	N	ND	N	IS	L	N	Y	P	N	IS	8	
1723	181/4097	Amsavalli	26	Thiruvurur	A	UG	H	B	N/4/30	n	37+3	VAC	12/08/2016	n	10 min	n	13/12/2016	Y	N	Y	N	N	ND	N	IS	L	N	Y	N	N	ND	N	IS	L	N	N	A	N	IS	9	
1724	182/4098	Ananthi	25	Orathanadu	A	SSLC	H	B	N/3/30	n	39+1	LSCS	12/08/2016	n	10 min	n	15/12/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1725	183/4099	Seethalakshmi	22	Tanjore	A	H	B	N/3/30	n	40+5	LSCS	12/08/2016	n	10 min	n	13/12/2016	Y	N	Y	N	N	ND	N	IS	L	N	Y	N	N	ND	N	IS	L	N	Y	N	N	IS	9		
1726	184/4100	Kokila	25	Tanjore	A	SSLC	H	B	N/3/30	n	39+0	LSCS	12/08/2016	n	10 min	n	15/12/2016	Y	N	Y	N	N	ND	N	IS	L	N	Y	N	N	ND	N	IS	L	N	Y	N	N	IS	9	
1727	188/4104	Lakshmi	23	Papanasam	A	HSC	H	B	N/5/30	n	38+5	LN/EPI	12/09/2016	n	10 min	n	12/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1728	189/4105	Renganyayaki	29	Orathanadu	NA	UG	H	B	N/3/30	n	37+6	LN/EPI	12/09/2016	n	10 min	n	12/11/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1729	190/4106	Natijiya	24	Tanjore	A	SSLC	H	B	N/4/30	GHT	37+5	LSCS	12/09/2016	n	10 min	n	16/12/2016	Y	N	Y	A	N	ND	N	IS	L	N	Y	B	N	U	Y	IS	L	N	Y	B	N	IS	7	
1730	191/4107	Brahadeeswari	26	Thiruvurur	A	UG	H	B	N/5/30	n	38+6	LN/EPI	12/09/2016	n	10 min	n	12/11/2016	Y	N	Y	B	N	U	Y	IS	L	N	Y	B	N	U	Y	IS	L	N	Y	B	N	IS	9	
1731	192/4108	Chitra	20	Orathanadu	NA	HSC	H	B	N/3/29	n	40+0	LSCS	12/09/2016	n	10 min	n	16/12/2016	Y	N	Y	P	N	U	X	Y	IS	L	N	Y	N	N	ND	N	IS	L	N	Y	N	N	IS	8
1732	193/4109	Devi	32	Pudukottai	NA	HSC	H	B	N/5/30	n	37+3	LSCS	12/10/2016	n	10 min	n	15/12/2016	Y	N	Y	N	N	ND	N	IS	L	N	Y	N	N	ND	N	IS	L	N	Y	N	N	IS	9	
1733	195/4111	Viji	32	Arriyalur	NA	PG	H	B	N/4/30	n	37+4	LSCS	12/12/2016	n	10 min	n	19/12/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1734	197/4113	Ravipriya	21	Thiruvurur	NA	SSLC	H	B	N/3/30	n	39+6	LN/EPI	24/12/2016	n	10 min	n	26/12/2016	Y	N	Y	N	N	ND	N	IS	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
1735	199/4115	Uma	28	Tanjore	A	PG	H	B	N/3/30	n	40+5	LN/EPI	24/12/2016	n	10 min	n	26/12/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1736	200/4116	Anitha	21	Tanjore	A	HSC	H	B	N/4/30	n	40+6	LN/EPI	24/12/2016	n	10 min	n	26/12/2016	Y	N	Y	N	N	ND	N	IS	L	N	Y	N	N	ND	N	IS	L	N	Y	N	N	IS	9	
1737	201/4117	Arulmochi	25	Orathanadu	A	PG	H	B	N/5/30	n	39+5	LN/EPI	26/12/2016	n	10 min	n	28/12/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1738	202/4118	Ithwarya	20	Perambalur	A	UG	H	B	N/4/30	n	37+5	LN/EPI	26/12/2016	n	10 min	n	28/12/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1739	205/4121	Brahadeswari	27	Tanjore	A	UG	H	B	N/4/28	POLY	40+1	LN/EPI	28/12/2016	n	10 min	n	30/12/2016	Y	N	Y	P	N	X	N	IS	L	N	Y	P	N	U,CUL	Y	IS	L	N	Y	N	N	IS	8	
1740	207/4123	Subha	23	Pudukottai	A	UG	H	B	N/3/30	n	37+5	LSCS	28/12/2016	n	10 min	n	01/02/2017	Y	N	Y	N	N	ND	N	IS	L	N	Y	N	N	ND	N	IS	L	N	Y	N	N	IS	9	
1741	208/4124	Saraswathi	27	Thiruvurur	A	PG	H	B	N/4/32	n	39+4	OUT	28/12/2016	n	10 min	n	02/03/2017	Y	N	Y	B	N	U	Y	IS	L	N	Y	B	N	U	Y	IS	L	N	B	N		12 WK		
1742	209/4125	Dhanalakshmi	20	Tanjore	A	SSLC	H	B	N/5/30	n	40+5	LN/EPI	29/12/2016	n	10 min	n	31/12/2016	Y	N	Y	A	N	ND	N	IS	L	N	Y	A	N	ND	N	IS	L	N	Y	B	N	IS	8	
1743	210/4126	Sathya	22	Tanjore	A	UG	H	B	N/4/28	n	39+4	LN/EPI	29/12/2016	n	10 min	n	31/12/2016	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
1744	211/4127	Latha	21	Tanjore	A	SSLC	H	B	N/3/30	n	38+5	LN/EPI	29/12/2016	n	10 min	n	31/12/2016	Y	N	Y	A	N	ND	N	IS	L	N	Y	A	N	ND	N	IS	L	N	Y	B,P	N	IS	7	
1745	212/4128	Anusuya	21	Thanjavur	NA	SSLC	H	B	N/4/28	n	40+4	LN/EPI	29/12/2016	n	10 min	n	31/12/2016	Y	N	Y	A	N	ND	N	IS	L	N	Y	B	N	ND	N	IS	L	N	Y	N	N	IS	9	
1746	213/4129	Sumithra	25	Orathanadu	A	SSLC	H	B	N/3/30	n	41+0	LSCS	30/12/2016	n	10 min	n	01/06/2017	Y	N	Y	N	N	ND	N	IS	L	N	Y	N	N	ND	N	IS	L	N	Y	N	N	IS	9	
17																																									

S.No	Co.T no	Name	Age	Address	pre No.	Education	Religion	Booking status	Menstrual flow	Conombid condition	Gestational age	Mode of Delivery	Date of Delivery	Intra-partum Events	Insertion	Discharge	First follow up	Second Follow up	Third Follow up	Time of Expiration	Time of Removal	Willing to continue	Level of satisfaction																					
															Time of Insertion	Complication	Date of Discharge	Followup card	M/O Eupasion	Complaints	Danger Signs	Any Investigations	Treat ment	Copper-T	Reason for removal	Difficulty in removal	M/O Eupasion	Complaints	Danger Signs	Any Investigations	Treatment	Copper-T	Reason for removal	Difficulty in removal	Time of Expiration	Time of Removal	Willing to continue	Level of satisfaction						
1777	56/4190	Jeyalakshmi	22	kumbakonam	A	SSLC	H	B	N/3/30	n	37+4	LN/EPI	01/10/2017	n	10 min	n	01/12/2017	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS						Y	9				
1778	57/4191	Muthulakshmi	24	Tiruvurur	A	UG	H	B	N/4/32	n	39+6	LN/EPI	01/11/2017	n	10 min	n	13/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	8			
1779	58/4192	Kowsalya	20	Tanjore	A	UG	H	B	N/5/30	n	40+5	LSCS	01/11/2017	n	10 min	n	18/1/2017	Y	N	Y	A	N	ND	N	IS		N	Y	B	N	U	Y	IS							Y	8			
1780	69/4203	Vasanthi	23	Tanjore	A	HSC	H	B	N/4/28	POLY	40+1	LSCS	01/12/2017	n	10 min	n	18/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	8			
1781	70/4204	Kannagi	26	Papanasam	NA	UG	H	B	N/3/30	n	39+5	LSCS	01/12/2017	n	10 min	n	18/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	8			
1782	71/4205	Indhra	24	Tiruvurur	A	HSC	H	B	N/4/28	n	37+5	LN/EPI	01/12/2017	n	10 min	n	14/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	8			
1783	72/4206	Karthiga	20	Tiruvurur	A	UG	H	B	N/3/30	n	40+4	LN/EPI	01/12/2017	n	10 min	n	14/1/2017	Y	N	N	N	N	X	N	IS		N	N	N	N	U	N	IS							Y	8			
1784	73/4207	Saranya	28	Orathanadu	A	SSLC	H	B	N/4/28	n	37+5	LSCS	13/1/2017	n	10 min	n	20/1/2017	Y	N	Y	N	N	ND	N	IS		Y	N	N	N	X	N	NIS								6-12 WK		Y	9
1785	75/4209	Sujitha	21	Ariyalur	A	UG	H	B	N/3/30	n	39+4	LN/EPI	13/1/2017	n	10 min	n	15/1/2017	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS								Y	9		
1786	76/4210	Rani	22	Tiruvurur	A	UG	H	B	N/4/28	n	40+5	LN/EPI	15/1/2017	n	10 min	n	17/1/2017	Y	N	Y	N	N	ND	N	IS		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9	
1787	77/4211	Suganthi	22	Orathanadu	A	UG	H	B	N/3/30	n	39+4	LN/EPI	15/1/2017	n	10 min	n	17/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1788	78/4212	Tamilmani	30	Ariyalur	A	UG	H	B	N/4/28	n	38+5	LN/EPI	15/1/2017	n	10 min	n	17/1/2017	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS								Y	9		
1789	89/4223	Samathuvam	24	Tiruvurur	A	HSC	H	B	N/5/30	n	40+4	LSCS	16/1/2017	n	10 min	n	23/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1790	90/4224	Rajathi	20	pattukottai	A		H	B	N/4/28	BA	41+0	LN/EPI	16/1/2017	n	10 min	n	18/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1791	91/4225	Vimala	24	Papanasam	A	UG	H	B	N/3/30	n	39+5	LN/EPI	16/1/2017	n	10 min	n	18/1/2017	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS								Y	9		
1792	92/4226	Ananthanayaki	22	Tanjore	A	UG	H	B	N/4/28	n	41+0	LN/EPI	16/1/2017	n	10 min	n	18/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1793	99/4233	Sabitha	28	Orathanadu	A	SSLC	H	B	N/3/30	n	40+4	LN/EPI	17/1/2017	n	10 min	n	19/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1794	100/4234	Vennila	21	Papanasam	NA	SSLC	H	B	N/4/32	n	37+3	LN/EPI	17/1/2017	n	10 min	n	19/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1795	101/4235	Parvathi	20	Tanjore	A	HSC	H	B	N/3/28	GHT	37+4	LN/EPI	17/1/2017	n	10 min	n	19/1/2017	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS								Y	9		
1796	102/4236	Rathinammal	27	Orathanadu	A	SSLC	H	B	N/3/28	n	39+4	LN/EPI	17/1/2017	n	10 min	n	19/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1797	104/4238	Sharmila	24	Pudukottai	A	PG	H	B	N/4/30	n	40+5	LN/EPI	17/1/2017	n	10 min	n	19/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1798	105/4239	Vanathi	20	Papanasam	A	SSLC	H	B	N/3/28	n	37+3	OUT	17/1/2017	n	10 min	n	22/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1799	106/4240	Nirosha	20	Papanasam	A	SSLC	H	B	N/4/30	n	38+0	LN/EPI	17/1/2017	n	10 min	n	19/1/2017	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS								Y	9		
1800	107/4241	Ilakiya	27	Orathanadu	A	HSC	H	B	N/3/28	n	39+0	LN/EPI	17/1/2017	n	10 min	n	19/1/2017	Y	N	Y	B	N	U	Y	IS	B	N														6 WK		Y	9
1801	108/4242	Soorya	21	Tanjore	A	PG	H	B	N/3/28	n	37+5	LN/EPI	17/1/2017	n	10 min	n	19/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1802	110/4244	Ragavi	21	Pudukottai	A	UG	H	B	N/4/30	n	38+5	LSCS	17/1/2017	n	10 min	n	24/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1803	111/4245	Nirmala	24	Tanjore	A	SSLC	H	B	N/3/28	n	38+4	LSCS	17/1/2017	n	10 min	n	24/1/2017	Y	N	Y	A	N	ND	N	IS		N	Y	B	N	ND	Y	IS								Y	9		
1804	116/4250	Saranya	26	Pudukottai	A	HSC	H	B	N/3/30	GHT	39+0	LSCS	18/1/2017	n	10 min	n	25/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1805	117/4251	Nandhini	20	Ariyalur	A	SSLC	H	B	N/4/30	n	39+4	LN/EPI	18/1/2017	n	10 min	n	20/1/2017	Y	N	Y	P	N	U	X	Y	IS		N	Y	N	N	ND	N	IS							Y	9		
1806	120/4254	Shanthi	30	Tanjore	A	PG	H	B	N/3/28	n	40+3	LN/EPI	18/1/2017	n	10 min	n	20/1/2017	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS								Y	9		
1807	121/4255	Ponnani	28	Pudukottai	A	SSLC	H	B	N/4/28	n	37+2	LN/EPI	18/1/2017	n	10 min	n	20/1/2017	Y	Y	N	N	N	X	N	NIS																<6 WK		Y	9
1808	122/4256	Sathya	20	Tanjore	A	SSLC	H	B	N/3/30	n	40+3	LN/EPI	18/1/2017	n	10 min	n	20/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1809	123/4257	Pushpalatha	27	Tiruvurur	A	SSLC	H	B	N/4/32	n	37+2	LN/EPI	19/1/2017	n	10 min	n	21/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1810	124/4258	kalaiselvi	27	Tanjore	A	SSLC	H	B	N/3/30	n	40+2	LSCS	19/1/2017	n	10 min	n	21/1/2017	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS								Y	9		
1811	125/4259	Veerathilagam	20	Pudukottai	A	SSLC	H	B	N/3/28	EPI	38+3	LSCS	19/1/2017	n	10 min	n	21/1/2017	Y	N	Y	N	N	ND	N	IS		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	8	
1812	127/4261	Parimala	34	Tiruvurur	A	HSC	H	B	N/4/30	n	38+3	LSCS	20/1/2017	n	10 min	n	22/1/2017	Y	N	Y	A	N	ND	N	IS		N	Y	B	N	U	Y	IS								Y	8		
1813	137/4271	Kalamani	20	Tiruvurur	NA	SSLC	H	B	N/4/28	n	40+3	LN/EPI	21/1/2017	n	10 min	n	23/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1814	138/4272	Thilagavathi	26	Pudukottai	A	SSLC	H	B	N/3/28	n	37+2	LN/EPI	21/1/2017	n	10 min	n	23/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1815	139/4273	Soniyaagathi	21	Papanasam	A	SSLC	H	B	N/3/30	n	38+3	LN/EPI	21/1/2017	n	10 min	n	23/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1816	140/4274	Sathya	26	Papanasam	A	HSC	H	B	N/4/30	n	40+2	LN/EPI	21/1/2017	n	10 min	n	23/1/2017	Y	N	N	N	N	X	N	IS		N	N	N	N	U	N	IS								Y	8		
1817	141/4275	Vichitra	20	Cuddalore	A	UG	H	B	N/3/28	n	39+2	LN/EPI	22/1/2017	n	10 min	n	24/1/2017	Y	N	Y	N	N	ND	N	IS		Y	N	N	N	X	N	NIS								6-12 WK		Y	9
1818	145/4279	Saranya	28	Orathanadu	A	HSC	H	B	N/3/28	HYPO	38+3	LN/EPI	22/1/2017	n	10 min	n	24/1/2017	Y	N	Y	N	N	ND	N	IS		N	Y	N	N	ND	N	IS								Y	9		
1819	146/4280	Nithya	29	Orathanadu	A	UG	H	B	N/3/30	n	40+2	LN/EPI	22/1/2017	n	10 min	n	24/1/2017	Y	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Y	9		
1820	152/4286	Santhiya	19	Ariyalur	A																																							